Iowa Department of Agriculture & Land Stewardship
BILL NORTHEY, Secretary of Agriculture

STATE CLIMATOLOGIST OFFICE

IOWA CLIMATE REVIEW

VOLUME 30, NUMBER 8
AUGUST 2016

The cooperation of the National Weather Service offices at Davenport, Johnston (Des Moines), La Crosse, Sioux Falls and Valley (Omaha) and their network of volunteer weather observers across Iowa in providing the data used in compiling this report is gratefully acknowledged.

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The climatic data used in this report are compiled from official records on file at the State Climatologist Office in Johnston. Some of these data are of a preliminary nature and are subject to change without notice. Differences may exist in data values published here and those subsequently published in the U.S. Department of Commerce report *Climatological Data Iowa* due to use of differing quality control procedures.

IOWA MONTHLY WEATHER SUMMARY – AUGUST 2016

General Summary. August temperatures averaged 72.3° or 0.8° above normal while precipitation totaled 6.05 inches or 1.85 inches above normal. This ranks as the 58th warmest and 14th wettest August among 144 years of records. A warmer August was last recorded in 2010 and a wetter one in 2007.

Temperatures. August temperatures fluctuated rather regularly throughout the month with no extended periods of either unusually warm or cool weather. The hottest weather came on the 4th, 10th and 11th when actual temperatures reached into the mid-nineties and heat indices reached 110° or higher somewhere in the state each day. As is typical as the day length slowly shortens during the month the lowest temperatures came during the second one-half of August with morning lows dipping into the forties in some locations on the 21st, 22nd and 26th. Overall temperature extremes varied from a high of 97° at Lamoni on the afternoon of the 11th to lows of 46° on the morning of the 21st at Battle Creek, Sheldon and the Spencer Airport.

Cooling Degree Day Totals. Home air conditioning requirements, as estimated by cooling degree day totals, averaged 44% more than last August and 9% greater than normal. Thus far this year air conditioning requirements are running 13% more than normal and 33% greater than last year at this time.

Precipitation. Rain was frequent throughout the month and greater than normal over most of Iowa. Below normal rain totals were mostly confined to far northwest Iowa and small areas of the west central and south central portions of the state. The most widespread rains of the month came on the 11th-12th when a statewide average of 2.21 inches fell. Greatest rains with this event fell along of the U.S. Highway 30 corridor from Boone County eastward to Clinton and Scott Counties with Swisher in Johnson County reporting a storm total of 7.05 inches. However, the worst flooding of the month came as a result of a prolonged period of heavy rain over the night of the 23rd across far northeastern Iowa where a location five miles southeast of Decorah reported a storm total of 8.46 inches. Record flood crests were established along some reaches of the Upper Iowa and Turkey Rivers on the 24th. Monthly rain totals varied from 1.73 inches at Rock Rapids to 13.84 inches at Decorah. This was the second highest August total among 131 years of records at Decorah (15.11 in 2007).

Summer Summary. Temperatures over the three summer months averaged 72.8° or 1.2° above normal while precipitation totaled 15.63 inches or 1.92 inches above normal. This ranks as the 50th warmest and 20th wettest summer among 144 years of records. This was the hottest summer since 2012. Despite the high precipitation ranking this summer's total was less than recorded during the past two summers.

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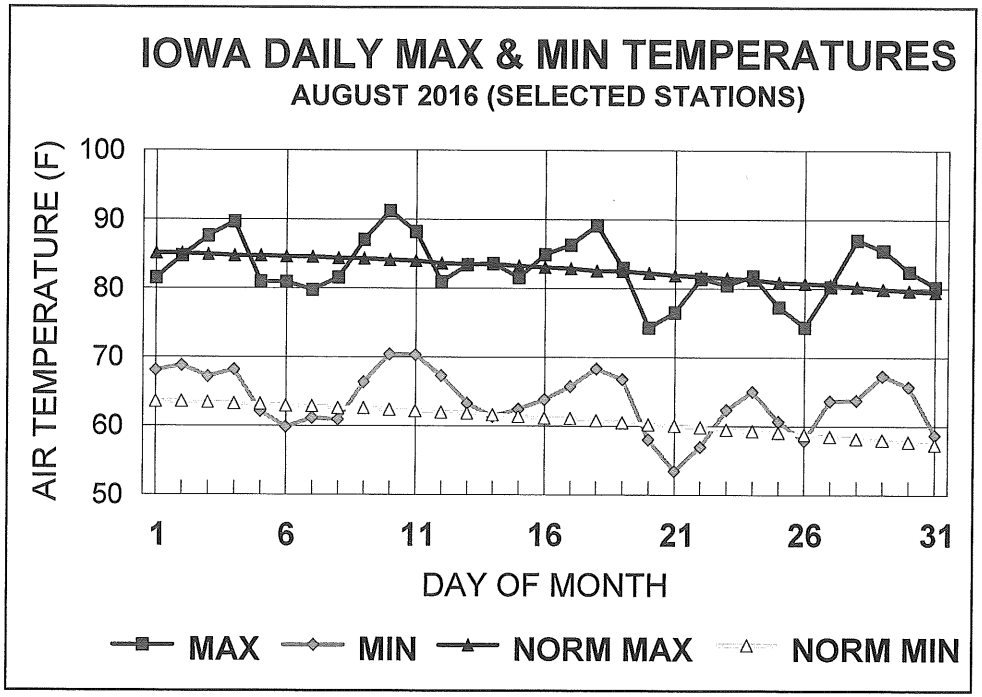
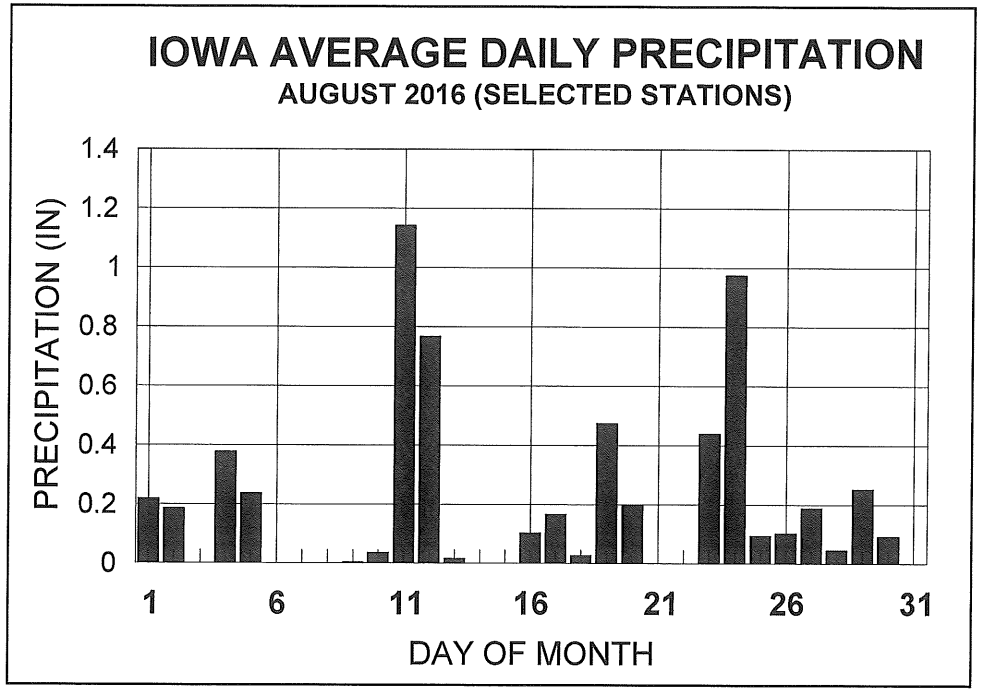

IOWA DAILY MAX & MIN TEMPERATURES
AUGUST 2016 (SELECTED STATIONS)
AIR TEMPERATURE (F)
100
90
80
70
60
50
1
6
11
16
21
26
31
DAY OF MONTH
MAX
MIN
NORM MAX
NORM MIN


IOWA AVERAGE DAILY PRECIPITATION
AUGUST 2016 (SELECTED STATIONS)
PRECIPITATION (IN)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1
6
11
16
21
26
31
DAY OF MONTH

AUGUST 2016 — IOWA CLIMATE REVIEW

DAY OF MONTH

PRELIMINARY AVERAGE DAILY DEW POINT TEMPERATURE

AIRPORT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Ames	69	70	72	75	63	60	64	67	71	74	73	71	67	65	67	69	69	72	71	62	56	60	68	69	63	62	65	69	70	71	61	67.3
Burlington	71	72	73	75	69	63	63	66	71	74	77	75	68	68	69	69	71	73	72	65	58	59	66	73	68	68	72	72	72	72	65	69.3
Cedar Rapids	71	72	73	74	66	62	64	67	71	75	75	73	68	68	68	70	71	73	71	63	57	60	67	72	65	64	68	70	71	72	60	68.4
Davenport	69	71	71	72	66	61	61	64	68	71	73	72	67	65	67	66	69	70	69	63	56	57	63	70	66	63	69	69	69	70	62	66.7
Des Moines	68	70	72	74	61	59	62	65	70	74	73	71	64	65	67	68	69	72	70	60	54	58	67	68	63	63	66	70	71	70	59	66.5
Dubuque	67	70	71	71	64	60	62	64	68	71	73	71	65	64	66	66	67	70	69	62	55	57	63	70	62	60	66	67	69	69	59	65.7
Estherville	69	71	71	69	58	58	60	62	69	72	70	67	64	60	62	67	66	69	65	57	54	59	65	63	58	57	61	66	68	65	58	63.9
Iowa City	69	71	72	73	65	60	62	65	70	73	74	72	66	67	67	67	70	72	70	62	55	59	65	70	64	62	68	69	70	71	59	67.1
Lamoni	68	71	71	75	66	62	63	66	71	75	75	72	66	65	68	68	70	71	70	61	56	59	68	68	65	65	68	71	71	71	64	67.7
Marshalltown	69	71	71	74	63	60	63	65	70	74	73	72	66	65	67	68	69	72	70	62	56	59	67	70	64	61	65	69	70	69	60	66.9
Mason City	69	70	70	70	59	58	59	62	68	72	71	68	63	61	61	64	65	68	65	59	53	57	63	67	59	58	62	67	67	65	56	63.7
Moline, IL	69	71	71	72	66	60	61	64	68	71	73	72	66	66	67	67	69	71	70	63	56	57	63	70	66	63	69	70	70	70	62	66.9
Omaha, NE	67	69	72	71	62	61	62	64	71	74	73	66	63	62	63	67	69	69	68	56	55	58	67	63	60	60	65	68	68	68	61	65.2
Ottumwa	68	69	70	74	64	60	62	64	70	73	75	71	65	66	66	67	69	70	69	61	55	57	65	68	64	64	67	69	69	69	61	66.5
Sioux City	68	70	72	69	60	59	60	63	70	73	70	64	62	60	63	67	68	70	63	54	55	59	66	61	58	58	64	67	68	67	61	64.2
Sioux Falls, SD	67	70	71	62	57	56	57	61	70	72	69	65	60	57	61	62	62	68	63	55	53	60	66	58	55	56	63	68	68	67	59	62.5
Spencer	67	69	69	67	55	54	58	60	68	71	69	65	62	59	61	65	64	68	63	55	52	57	64	61	56	56	60	66	66	64	56	62.2
Waterloo	68	69	70	71	61	59	61	62	68	72	72	70	64	63	65	66	67	69	66	59	54	57	64	68	61	58	63	66	68	66	56	64.6

PRELIMINARY AVERAGE DAILY WIND SPEED (MPH)

AIRPORT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
Ames	6.5	4.2	4.7	7.9	9.8	3.4	2.5	4.3	3.7	7.5	10.3	8.5	6.6	3.1	2.1	5.4	4.7	6.7	8.6	10.5	5.9	10.0	12.0	6.3	3.4	5.2	2.5	3.9	3.6	4.5	6.7	6.0
Burlington	4.8	4.3	3.5	7.8	7.7	6.5	4.8	4.7	4.4	5.9	8.8	5.8	8.1	3.3	7.4	4.0	6.2	6.7	7.0	7.0	5.5	5.8	11.4	7.4	5.6	6.9	5.5	4.0	4.8	5.4	8.9	6.1
Cedar Rapids	6.1	3.7	3.6	8.3	8.4	5.3	4.0	5.8	3.8	6.9	9.6	4.9	8.9	2.9	5.7	4.8	2.8	5.0	6.8	12.0	7.8	8.3	10.7	8.0	4.6	7.8	6.2	5.5	3.9	4.4	8.2	6.3
Davenport	8.4	3.7	4.9	8.7	6.5	4.9	3.9	7.2	3.9	5.8	9.4	4.9	8.0	1.8	6.2	4.9	5.5	7.1	7.8	8.9	7.3	6.3	11.4	7.9	4.3	7.2	7.5	5.0	4.6	4.3	6.9	6.3
Des Moines	8.4	6.6	6.8	11.3	9.2	5.8	4.2	7.4	5.8	8.7	12.8	8.2	6.9	4.2	4.3	6.6	5.8	7.6	9.2	10.8	6.3	12.1	14.0	8.1	3.5	8.3	3.5	6.1	5.8	5.2	8.5	7.5
Dubuque	7.9	4.4	5.0	10.0	9.0	5.4	4.7	6.9	5.8	7.3	9.7	3.1	9.7	2.3	5.6	5.0	5.2	8.1	7.9	10.1	7.5	9.2	12.6	9.6	5.2	6.9	6.0	4.0	3.6	6.1	7.0	6.8
Estherville	9.7	5.8	9.4	7.6	9.2	6.3	3.8	7.1	8.0	10.5	8.5	8.2	6.3	5.0	4.9	5.9	3.5	7.4	7.5	12.5	6.8	15.5	11.5	7.9	6.6	4.7	6.0	8.3	7.0	6.5	5.6	7.5
Iowa City	6.0	3.9	4.5	7.9	7.8	5.5	3.9	5.8	3.6	6.2	8.3	5.9	9.0	1.8	5.3	4.9	3.2	5.4	7.4	9.7	7.3	6.7	10.1	7.2	4.9	6.5	5.6	4.3	3.7	5.0	8.5	6.0
Lamoni	8.9	6.0	5.2	9.7	7.5	5.0	3.2	4.2	3.3	8.1	10.4	7.1	6.9	4.4	3.6	7.2	5.9	9.1	8.1	10.9	6.5	9.9	10.3	7.7	5.5	6.1	3.7	4.3	5.2	4.2	8.1	6.7
Marshalltown	8.4	5.1	4.8	10.6	8.1	4.5	3.9	5.9	4.7	8.7	10.2	7.5	8.1	3.2	3.4	5.6	3.9	7.0	8.1	9.8	7.3	11.3	12.2	8.0	3.5	6.9	4.6	6.4	4.9	5.0	7.0	6.7
Mason City	8.7	4.7	5.4	9.5	10.3	5.6	2.3	5.6	6.5	8.7	8.2	8.0	7.3	4.4	2.5	8.1	4.4	7.4	5.5	11.6	8.4	12.5	11.8	8.2	5.6	2.8	5.8	5.6	4.5	7.1	5.4	6.9
Moline, IL	7.8	4.6	4.6	6.9	6.7	3.4	2.8	7.1	3.2	5.8	8.0	3.8	9.7	1.2	5.9	4.3	4.4	5.5	7.0	10.2	8.0	5.5	10.2	7.5	4.3	6.6	5.8	4.9	4.9	4.0	5.5	5.8
Omaha, NE	18.1	8.2	10.2	9.9	7.0	5.9	5.1	6.6	8.7	13.8	13.8	9.5	3.9	3.9	5.6	8.8	5.0	10.5	8.5	11.0	5.2	16.2	16.9	7.2	5.2	6.2	4.7	8.8	5.9	3.5	6.4	8.4
Ottumwa	5.9	4.9	4.5	9.1	9.1	5.8	3.8	5.8	4.6	7.0	10.1	6.1	8.8	3.0	5.0	5.5	6.3	7.3	6.8	10.2	7.4	8.8	11.4	8.1	5.4	7.0	4.3	5.4	6.1	3.9	8.2	6.6
Sioux City	13.1	4.9	8.4	7.9	6.4	4.5	5.2	8.0	8.0	12.4	11.1	11.4	6.2	4.6	8.8	8.0	3.9	9.7	9.8	14.8	6.4	14.9	10.5	6.8	5.7	4.5	5.1	9.2	6.1	5.0	3.1	7.9
Sioux Falls, SD	12.7	3.5	11.0	9.1	4.7	3.9	6.8	10.7	10.3	14.4	8.6	8.5	4.2	4.6	9.1	4.9	4.8	9.2	9.5	12.5	6.1	18.9	12.0	6.5	5.9	6.2	6.0	12.0	6.9	5.1	3.3	8.1
Spencer	10.3	4.9	8.0	7.5	8.6	5.2	4.3	7.9	7.9	11.3	8.5	8.4	6.9	4.6	6.2	5.9	2.4	8.4	8.7	11.7	6.5	15.2	9.5	7.7	5.2	5.8	5.1	8.6	5.6	5.6	5.0	7.3
Waterloo	8.1	4.2	4.3	10.3	7.9	3.2	2.9	5.8	5.3	9.0	9.9	6.9	8.3	2.8	2.4	5.6	3.6	7.1	7.8	10.5	6.6	12.0	14.5	8.3	3.5	4.6	4.2	5.7	4.4	4.6	6.9	6.5

PRELIMINARY MAXIMUM 5-SECOND WIND GUST (MPH)

AIRPORT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MAX
Ames	24	19	17	41	23	16	13	16	13	30	40	29	22	14	14	16	24	21	48	27	19	29	29	37	11	18	16	24	39	18	30	48
Burlington	15	17	10	43	24	16	13	17	13	17	20	32	22	19	22	13	19	19	21	34	18	18	26	35	14	19	18	20	28	13	20	43
Cedar Rapids	19	14	12	49	31	13	12	16	14	18	39	20	24	10	18	15	12	18	27	33	21	26	27	24	13	16	18	32	28	17	22	49
Davenport	21	13	14	42	17	14	13	19	14	16	45	16	22	10	20	14	14	26	21	30	21	19	26	25	12	17	20	27	27	27	19	45
Des Moines	24	28	18	26	23	17	15	19	14	61	44	23	18	12	16	17	17	22	28	30	21	28	32	29	11	20	17	23	30	16	20	61
Dubuque	21	15	15	55	19	19	13	18	15	19	33	12	25	14	15	15	15	41	33	31	28	24	28	27	15	14	16	22	17	16	19	55
Estherville	31	17	23	26	25	19	12	23	19	37	40	29	18	13	16	17	12	26	18	28	18	37	40	22	17	13	17	21	18	27	18	40
Iowa City	20	15	16	47	29	17	13	17	16	20	35	22	24	16	19	15	14	19	23	30	23	23	26	26	14	17	17	37	22	17	21	47
Lamoni	35	27	15	33	30	14	16	15		20	39	20	19	10	12	17	16	22	33	29	20	26	27	28	22	17	14	23	24	11	20	39
Marshalltown	29	21	15	40	23	13	11	19	13	21	41	26	23	11	14	17	16	20	51	26	22	29	29	21	9	18	18	18	24	16	18	51
Mason City	29	17	17	38	24	17	10	19	17	26	49	25	27	14	14	44	33	23	18	28	20	33	33	17	14	14	17	20	21	21	16	49
Moline, IL	20	13	19	46	20	15	13	23	14	16	33	16	23	9	21	12	24	31	19	35	25	17	27	32	15	19	20	30	21	25	17	46
Omaha, NE	40	43	26	24	20	16	16	20	19	30	39	27	20	12	15	25	13	22	30	30	19	33	96	23	14	21	14	32	31	18	20	96
Ottumwa	17	21	12	28	23	15	18	17	12	20	35	17	22	17	16	15	19	19	26	28	25	24	29	36	15	19	20	33	39	15	20	39
Sioux City	38	22	23	30	18	17	17	23	21	30	42	47	21	15	19	33	15	29	25	36	19	36	37	19	16	19	14	36	29	13	13	47
Sioux Falls, SD	45	17	28	35	22	15	20	27	23	37	32	38	21	16	22	20	14	46	24	30	20	43	31	23	21	20	17	28	19	20	13	46
Spencer	24	15	26	26	26	22	15	24	18	37	46	28	18	14	19	19	14	20	22	30	18	35	41	19	20	17	18	24	15	25	16	46
Waterloo	26	16	14	46	22	16	12	19	16	22	34	25	21	14	17	19	22	28	28	30	25	29	32	24	15	14	18	20	21	16	25	46

Hourly data upon which the above averages and extremes are based may not be complete. Contact the National Centers for Environmental Information in Asheville, NC if more detailed dew point or wind data are required.

AUGUST 2016 — MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA — IOWA CLIMATE REVIEW

STATION	TEMPERATURE (F) AVG MAX	AVG MIN	MEAN	DEP NORM	EXT MAX	DAY		EXT MIN	DAY		NUMBER OF DAYS MAX 90+	MAX 32-	MIN 32-	MIN 0-	HEATING DEGREE DAYS AUG 2016	AUG NORM	16-17 SEAS	NORM SEAS	COOLING DEGREE DAYS AUG 2016	AUG NORM	2016 SEAS	NORM SEAS	PRECIPITATION (inches) TOTAL	DEP NORM	EXT DAY	DAY	NUMBER OF DAYS 0.01+	0.10+	1.00+	SNOWFALL (inches) TOTAL	MAX ON GND	DAY
NORTHWEST DIVISION																																	
Akron																							2.21		0.73	12	8	8	0	0.0	0		
Cherokee	81.9	60.2	71.1	0.6	93	11		49	21		2	0	0	0	6	23	8	31	204	192	767	650	4.49	0.76	1.38	24	11	5	2	0.0	0		
Emmetsburg	81.5	60.8	71.2	1.5	92	11		50	21		2	0	0	0	8	22	9	29	207	168	780	574	3.18	-1.08	1.48	24	7	4	1	0.0	0		
Estherville Airport	79.0	57.8	68.4	-0.6	88	10		48	21		0	0	0	0	14	23	23	32	129	148	559	540	2.38		1.00	11	6	4	1	0.0	0		
Estherville 4 E	80.2	58.5	69.4	0.6	90	19		49	21		1	0	0	0	10	32	13	43	153	148	609	526	2.36	-1.60	0.63	11	6	6	0	0.0	0		
Everly 3 WNW																							3.21		1.42	11	8	5	1	0.0	0		
Hawarden	83.5	60.0	71.8	0.6	94	19	+	49	22		3	0	0	0	5	18	8	25	222	210	813	692	3.76	0.48	1.40	2	9	5	1	0.0	0		
Le Mars	82.5	60.3	71.4	0.3	92	11		51	27	+	2	0	0	0	6	18	8	23	214	205	783	700	3.04	-0.56	1.06	12	7	4	1	0.0	0		
Orange City																							3.66		1.38	11	10	5	1	0.0	0		
Pocahontas	81.1	60.7	70.9	0.1	91	11		52	26		1	0	0	0	4	16	8	21	194	197	796	692	4.45	-0.24	2.00	11	9	5	2	0.0	0		
Primghar	82.1	63.7	72.9	0.9	92	11	+	50	21		2	0	0	0	1	10	2	15	254	227	899	765	2.48	-1.17	1.20	11	8	6	1	0.0	0		
Remsen #2																							3.90		1.36	11	5	4	2	0.0	0		
Rock Rapids	82.3	60.3	71.3	0.6	93	11		48	22	+	3	0	0	0	7	22	7	29	211	198	728	655	1.73	-1.77	0.77	11	6	5	0	0.0	0		
Rock Valley																							3.02	-0.57	1.22	2	7	5	1	0.0	0		
Sanborn	80.3	61.2	70.8	0.8	90	11		50	22	+	1	0	0	0	8	21	10	30	193	177	680	590	3.00	-0.43	1.10	11	10	6	1	0.0	0		
Sheldon	80.7	57.5	69.1	0.2	90	11		46	22	+	1	0	0	0	20	34	27	48	156	153	609	514	2.22	-1.29	0.78	11	12	5	0	0.0	0		
Sibley	81.5	59.5	70.5	1.7	93	11		48	21		1	0	0	0	12	29	15	43	187	148	642	516	2.84	-0.80	1.66	11	11	6	1	0.0	0		
Sioux Center 2 SE	83.0	60.8	71.9	0.5	92	11	+	47	21		4	0	0	0	4	16	4	21	226	216	860	753	3.62	0.14	1.52	11	7	5	2	0.0	0		
Sioux Rapids 4 E	78.9	60.5	69.7	0.0	88	10		50	21		0	0	0	0	9	22	13	30	159	166	665	601	5.07	0.66	2.62	11	9	5	2	0.0	0		
Spencer Airport	82.4	58.4	70.4	0.3	93	10		46	21		3	0	0	0	10	20	13	28	183	179	691	618	2.47		1.25	11	8	6	1	0.0	0		
Spencer 1 N	81.6	60.4	71.0	0.9	94	10		50	21		2	0	0	0	7	25	10	33	203	183	760	622	2.91	-0.92	1.90	11	7	4	1	0.0	0		
Spirit Lake 4 W	80.6	61.9	71.3		90	10		50	21		1	0	0	0	6		9		207		736		2.56		1.55	11	5	4	1	0.0	0		
Storm Lake	80.3	61.4	70.9	0.1	90	11		51	21		1	0	0	0	7	19	13	25	194	197	734	657	6.86	2.41	1.81	12	11	7	4	0.0	0		
Washta	82.5	60.3	71.4		93	11		50	27	+	3	0	0	0	11		15		217											0.0	0		
NORTH CENTRAL DIVISION																																	
Algona 3 W	79.9	59.8	69.9	0.6	89	11		52	22	+	0	0	0	0	9	24	17	33	166	158	615	544	5.01	1.16	1.42	24	10	7	2	0.0	0		
Allison	80.5	61.5	71.0	0.4	89	19	+	52	21		0	0	0	0	6	16	8	21	202	191	684	640	6.26	2.31	2.75	20	7	4	3	0.0	0		
Britt					88	19	+									26		35		159		560	4.68	0.81	1.90	24	10	6	2	0.0	0		
Charles City	79.2	62.0	70.6	0.5	87	18	+	52	21		0	0	0	0	6	20	11	28	185	178	603	598	8.52	4.37	3.22	24	11	6	3	0.0	0		
Clarion					91	19		51	22							18		24		198		676								0.0	0		
Dakota City	80.9	60.4	70.7	1.0	90	11		52	22	+	1	0	0	0	8	17	11	23	188	161	714	567	3.69	-0.27	1.35	20	12	5	2	0.0	0		
Forest City 2 NNE	79.3	60.0	69.7	-0.3	89	11		51	21		0	0	0	0	10	21	17	28	160	175	539	585	4.97	0.80	1.30	24	9	7	1	0.0	0		
Hampton	82.1	60.8	71.5	1.3	90	19	+	53	21		2	0	0	0	4	20	6	27	213	181	734	611	4.24	0.02	1.76	20	8	6	1	0.0	0		
Kanawha																							4.16	0.17	1.74	24	8	7	1	0.0	0		
Lake Mills																							7.28	2.96	3.53	24	11	8	2	0.0	0		
Mason City	80.4	60.7	70.6	1.6	89	19		53	22	+	0	0	0	0	6	29	8	40	188	151	614	523	5.88	1.68	2.00	24	14	7	1	0.0	0		
Mason City Airport	80.2	59.5	69.9	0.6	89	10	+	52	26	+	0	0	0	0	8	27	18	36	164	162	608	556	6.65	2.61	1.84	23	12	8	1	0.0	0		
Nashua 2 SW																							7.32		2.15	5	10	7	4	0.0	0		
Northwood								51	21							32		46		136		479			4.55	24				0.0	0		
Osage	79.4	61.3	70.4	0.7	87	11		53	21		0	0	0	0	7	22	10	30	180	167	593	559	8.56	4.36	4.73	24	9	7	3	0.0	0		
Saint Ansgar																							7.23		4.22	24	10	8	1	0.0	0		
Swea City 4 W	79.9	58.7	69.3	0.2	90	11		50	21		1	0	0	0	11	26	16	35	154	153		543	2.08	-1.79	0.78	11	6	4	0	0.0	0		
NORTHEAST DIVISION																																	
Cascade	82.6	62.8	72.7	2.4	89	19		51	22		0	0	0	0	3	19	9	26	250	183	722	610	4.28	-0.62	2.09	12	12	7	1	0.0	0		
Cresco 1 NE								52	26							36		53		135		453	10.60	5.35	6.04	24	12	8	2	0.0	0		
Decorah	82.2	62.8	72.5	1.7	89	3		51	22		0	0	0	0	1	16	4	22	242	198	727	629	13.84	9.10	8.06	24	10	9	3	0.0	0		

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STATION	TEMPERATURE (F) AVG MAX	AVG MIN	MEAN	DEP NORM	EXT MAX	DAY	EXT MIN	DAY	NUMBER OF DAYS MAX 90+	MAX 32-	MIN 32-	MIN 0-	HEATING DEGREE DAYS AUG 2016	AUG NORM	16-17 SEAS	NORM SEAS	COOLING DEGREE DAYS AUG 2016	AUG NORM	2016 SEAS	NORM SEAS	PRECIPITATION (inches) TOTAL	DEP NORM	EXT DAY	DAY	NUMBER OF DAYS 0.01+	0.10+	1.00+	SNOWFALL (inches) TOTAL	MAX ON GND	DAY
Dubuque Lock & Dam 11	83.6	64.8	74.2	1.4	92	4	55	22	4	0	0	0	1	7	1	9	293	249	853	808	5.27	1.24	1.38	27	12	9	2	0.0	0	
Dubuque Airport	80.9	63.4	72.2	2.2	86	28 +	52	22	0	0	0	0	2	19	7	27	230	176	686	576	3.75	-0.65	1.30	11	10	8	1	0.0	0	
Elkader 6 SSW	81.3	59.4	70.4	0.3	88	19 +	48	22	0	0	0	0	9	25	20	35	182	181	523	576	8.81	4.43	3.20	19	9	9	4	0.0	0	
Fayette	81.1	61.0	71.1	1.7	88	12	52	21	0	0	0	0	5	26	9	38	199	162	631	530	6.02	1.34	1.26	5	12	9	1	0.0	0	
Guttenberg L & D 10	82.5	65.6	74.1	1.7	90	18	55	21	1	0	0	0	0	9	0	12	287	236	890	771	4.95	0.91	0.81	27	11	10	0	0.0	0	
Ionia 2 W																					9.09		3.39	24	11	9	4	0.0	0	
Manchester #2	81.0	60.4	70.7	1.2	88	11	49	22	0	0	0	0	7	26	17	36	191	166	609	549	2.94	-1.90	1.06	12	10	7	1	0.0	0	
New Hampton	79.7	60.3	70.0	1.0	88	11	51	22 +	0	0	0	0	8	27	12	39	169	149	540	489	10.14	5.38	3.65	24	12	9	4	0.0	0	
Oelwein 1 E	81.2	62.5	71.9	2.2	90	4	52	21	1	0	0	0	5	14	8	21	226	159	702	531	4.98	0.50	1.24	5	9	8	2	0.0	0	
Postville	80.5	60.9	70.7		88	4	54	21	0	0	0	0	5		9		188		613		8.45	3.79	2.36	24	11	8	3	0.0	0	
Stanley 4 W	80.8	59.5	70.2		88	19 +	49	22	0	0	0	0	11		16		180		622		3.84		1.44	12	9	6	1	0.0	0	
Strawberry Point																					5.13		1.29	12	11	9	1	0.0	0	
Tripoli	81.9	62.0	72.0	2.1	89	19 +	53	22 +	0	0	0	0	4	22	6	30	229	175	738	584	4.43	-0.24	1.19	12	11	7	2	0.0	0	
Waterloo Airport	81.7	62.0	71.9	0.7	90	10	54	21	1	0	0	0	3	16	5	20	223	208	753	712	5.22	0.95	1.59	4	9	6	3	0.0	0	
WEST CENTRAL DIVISION																														
Audubon	80.9	60.5	70.7	-0.3	89	11	51	21	0	0	0	0	6	19	17	26	189	203	685	658	5.60	1.68	2.10	2	11	7	2	0.0	0	
Battle Creek 3 NE	82.2	59.2	70.7		92	11	46	21	2	0	0	0	10		16		195		751		3.15		1.01	12	10	6	1	0.0	0	
Carroll	81.7	61.7	71.7	0.2	90	11 +	53	22 +	2	0	0	0	5	16	10	20	219	217	831	719	4.79	0.73	1.75	12	12	5	2	0.0	0	
Castana Exp. Farm	81.9	62.1	72.0	0.6	92	11	53	21	1	0	0	0	4	15	8	18	229	213	819	700	3.71	0.01	1.73	12	11	8	1	0.0	0	
Denison	81.0	61.0	71.0	-2.0	90	11	51	22 +	1	0	0	0	10	9	18	11	201	255	750	836	5.00	1.14	1.90	12	16	5	3	0.0	0	
Guthrie Center	82.0	61.7	71.9	0.5	93	5	52	21	2	0	0	0	4	18	10	24	226	215	869	725	6.89	2.51	1.68	12	10	7	5	0.0	0	
Holly Springs 1 NW																					4.65		2.76	12	7	7	1	0.0	0	
Holstein	79.9	62.3	71.1		91	10	50	21	1	0	0	0	5		12		201		761		5.39	1.36	1.61	2	10	6	3	0.0	0	
Little Sioux 2 NW	83.1	60.1	71.6		93	11	49	22 +	4	0	0	0	8		14		221		867		5.56		1.87	2	13	9	2	0.0	0	
Logan	83.7	63.1	73.4	0.9	94	12	51	21	5	0	0	0	3	13	6	16	269	247	962	829	6.03	2.42	1.16	20	12	9	3	0.0	0	
Mapleton #2	82.6	59.5	71.1	-0.1	94	11	50	26 +	3	0	0	0	10	19	19	24	205	211	770	711	3.35	-0.33	1.85	12	9	6	1	0.0	0	
Rockwell City	80.6	62.7	71.7	1.0	90	11	56	27 +	1	0	0	0	3	17	8	22	217	192	775	643	3.86	-0.68	1.12	20 +	10	5	2	0.0	0	
Sac City	79.9	60.9	70.4	0.4	90	11	51	21	1	0	0	0	8	24	15	32	182	179	695	596	4.24	-0.15	1.24	12	10	7	1	0.0	0	
Sioux City Airport	84.8	63.3	74.1	2.0	96	10	51	21	6	0	0	0	0	12	0	15	288	232	1022	777	5.05	1.82	2.45	23	7	6	2	0.0	0	
CENTRAL DIVISION																														
Ames Airport	82.3	61.8	72.1	1.1	91	18 +	54	22 +	3	0	0	0	1	12	3	16	227	197	829	683	9.89		3.94	11	12	8	2	0.0	0	
Ames 8 WSW	81.9	63.7	72.8	0.8	89	19 +	53	21	0	0	0	0	1	10	1	13	252	228	918	768	8.23	3.41	4.40	12	14	8	2	0.0	0	
Ames 5 SE					90	19								11		16		200		669	8.33	3.55	3.38	12	11	8	3	0.0	0	
Ankeny	82.1	64.0	73.1	0.2	92	5	54	21	3	0	0	0	2	9	6	11	262	255	878	838	8.91	4.52	2.65	12	15	12	3	0.0	0	
Boone	81.5	62.0	71.8	0.7	90	11	51	21	1	0	0	0	5	16	9	21	221	207	758	658	7.90	2.96	4.71	12	11	7	1	0.0	0	
Brooklyn																					6.82	2.24	2.48	12	10	7	3	0.0	0	
Clutier																					5.68	0.99	2.19	12	12	10	2	0.0	0	
Des Moines Airport	84.6	67.5	76.1	1.8	95	4	57	21	6	0	0	0	0	5	0	6	352	293	1197	939	5.64	1.51	1.00	11	14	10	1	0.0	0	
Des Moines Camp Dodge	82.8	65.0	73.9	0.6	91	18 +	53	21	4	0	0	0	0	6	1	8	286	263	978	823	7.54	3.50	2.05	11	12	11	3	0.0	0	
Eldora	81.5	61.7	71.6	0.8	91	11 +	52	21	3	0	0	0	6	18	9	24	221	196	750	645	8.09	3.72	3.38	20	12	7	3	0.0	0	
Fort Dodge 5 NNW	78.9	60.3	69.6	-1.4	88	11	53	21 +	0	0	0	0	6	17	11	22	156	203	613	677	9.01	4.49	3.05	12	12	7	3	0.0	0	
Gilman																					9.91	5.35	3.30	12	12	9	4	0.0	0	
Grinnell 3 SW	80.7	62.1	71.4	1.1	89	5	54	22 +	0	0	0	0	2	23	7	31	210	188	673	599	6.37	1.79	2.85	12	16	8	2	0.0	0	
Grundy Center	80.8	61.8	71.3	1.0	89	11 +	53	21	0	0	0	0	5	22	9	29	206	186	717	626	6.89	2.66	1.75	20	9	8	3	0.0	0	
Iowa Falls	80.7	60.8	70.8	0.2	89	11 +	53	22 +	0	0	0	0	6	17	11	22	192	192	661	633	6.83	2.77	2.30	20	11	7	3	0.0	0	
Marshalltown	81.9	62.0	72.0	1.0	90	11 +	55	22 +	2	0	0	0	2	18	5	23	227	204	785	678	6.99	2.46	2.52	12	13	8	3	0.0	0	
Marshalltown Airport	81.6	62.2	71.9	1.3	90	10 +	53	21	2	0	0	0	3	15	5	21	227	190	789	656	8.09		3.84	11	13	9	3	0.0	0	

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STATION	AVG MAX	AVG MIN	MEAN	DEP NORM	EXT MAX	DAY	EXT MIN	DAY	NUMBER OF DAYS MAX 90+	MAX 32-	MIN 32-	MIN 0-	HEATING DEGREE DAYS AUG 2016	AUG NORM	16-17 SEAS	NORM SEAS	COOLING DEGREE DAYS AUG 2016	AUG NORM	2016 SEAS	NORM SEAS	PRECIPITATION (inches) TOTAL	DEP NORM	EXT DAY	DAY	NUMBER OF DAYS 0.01+	0.10+	1.00+	SNOWFALL (inches) TOTAL	MAX ON GND	DAY
Montezuma 1 W																					7.40	2.97	2.72	12	11	9	2	0.0	0	
Newton	82.6	63.1	72.9	0.8	93	5	55	22 +	4	0	0	0	1	11	6	14	254	233	862	750	5.64	1.35	1.90	12	11	9	2	0.0	0	
Perry	83.3	63.2	73.3	1.4	93	11	54	21	5	0	0	0	1	14	4	18	266	228	929	753	6.33	2.27	2.53	12	11	6	3	0.0	0	
Toledo 3 N	81.5	60.9	71.2	0.5	89	19 +	53	22 +	0	0	0	0	4	19	9	26	206	196	706	631	5.82	1.69	2.42	12	11	8	2	0.0	0	
Webster City	80.9	60.0	70.5	0.0	89	11 +	54	26 +	0	0	0	0	4	19	13	24	181	189	633	629	5.86	1.24	1.93	12	9	7	3	0.0	0	
Zearing																					7.97	3.20	2.78	20	9	9	3	0.0	0	
EAST CENTRAL DIVISION																														
Anamosa 3 SSW	81.8	62.0	71.9	2.1	89	12	51	23 +	0	0	0	0	4	25	9	35	223	174	661	566	5.73	1.00	2.05	12	10	5	3	0.0	0	
Belle Plaine	83.0	62.5	72.8	1.8	91	12	52	22	4	0	0	0	2	16	6	22	251	204	774	663	6.01	1.62	3.20	12	12	7	2	0.0	0	
Bellevue Lock & Dam 12	84.6	64.3	74.5	2.8	91	29	53	23 +	3	0	0	0	0	13	5	17	300	223	853	701	5.24	1.08	2.60	12	12	7	1	0.0	0	
Cedar Rapids Airport	82.4	63.7	73.1	2.1	89	11 +	52	22	0	0	0	0	1	15	4	19	260	201	811	668	7.68		4.91	11	11	6	2	0.0	0	
Cedar Rapids #1	85.0	63.7	74.4	1.5	92	18 +	52	22	6	0	0	0	0	8	0	10	299	253	989	833	7.74	2.91	4.21	12	10	6	3	0.0	0	
Clinton #1	83.1	66.4	74.8	2.0	88	10 +	54	22	0	0	0	0	0	7	0	9	311	251	990	841	8.62	4.12	2.95	12	14	12	3	0.0	0	
Coggon	82.1	60.7	71.4		89	19	49	22	0	0	0	0	3		10		210		667		7.65		3.89	12	10	7	2	0.0	0	
Davenport Airport	83.0	64.2	73.6	2.4	89	10	51	22	0	0	0	0	0	10	4	14	273	203	852	704	9.73		3.36	11	15	10	3	0.0	0	
De Witt																					10.63	5.82	4.25	12	11	9	4	0.0	0	
Iowa City	83.9	64.0	74.0	-0.1	91	12	51	22	3	0	0	0	1	5	5	6	288	285	896	935	7.12	2.46	3.47	12	14	8	1	0.0	0	
Iowa City Airport	83.5	66.1	74.8	2.1	90	11 +	55	22	2	0	0	0	0	6	2	8	312	244	976	822	6.16		2.62	11	12	8	2	0.0	0	
Le Claire L & D 14	84.1	66.4	75.3	1.6	91	11	57	24 +	3	0	0	0	0	6	0	7	328	276	1033	899	9.24	4.83	3.50	12	12	10	2	0.0	0	
Lowden	84.2	63.6	73.9	3.0	91	18	51	22	3	0	0	0	0	13	4	18	284	196	888	638	9.91	5.23	4.25	11	11	6	4	0.0	0	
Maquoketa 4 W	82.5	61.9	72.2	2.6	89	19	51	23 +	0	0	0	0	3	23	11	33	233	167	720	558	5.77	1.19	2.51	12	9	7	3	0.0	0	
Monticello																					5.59		2.73	12	12	7	1	0.0	0	
Muscatine	84.1	65.6	74.9	0.9	90	12	53	23	1	0	0	0	0	5	1	6	312	286	1009	966	8.09	3.54	2.27	12	13	7	4	0.0	0	
Muscatine 2 N																					8.06		2.15	12	13	8	5	0.0	0	
Swisher																					9.76		6.99	12	14	7	2	0.0	0	
Vinton	80.9	61.2	71.1	-0.4	89	12	51	22	0	0	0	0	7	13	10	17	203	215	737	712	9.60	5.34	6.25	12	11	6	2	0.0	0	
Williamsburg 1 E	83.9	63.3	73.6	2.4	92	5	53	22	4	0	0	0	1	17	4	21	273	209	881	685	9.61	4.86	3.70	12	14	11	3	0.0	0	
SOUTHWEST DIVISION																														
Atlantic 1 NE	83.8	61.5	72.7	1.0	93	12 +	51	22 +	5	0	0	0	4	17	11	21	245	226	817	754	4.52	0.71	1.45	12	13	7	1	0.0	0	
Bedford	83.4	64.6	74.0	0.3	95	12 +	54	21	4	0	0	0	1	7	9	8	287	275	957	859	7.15	2.99	2.65	12	14	12	2	0.0	0	
Clarinda	81.0	61.9	71.5	-0.7	91	12	51	21	3	0	0	0	4	12	11	16	212	234	745	754	7.58	3.82	2.90	12	15	11	1	0.0	0	
Glenwood	83.8	63.5	73.7	0.6	96	12	54	22 +	3	0	0	0	1	6	5	6	278	255	966	789	5.37	1.44	1.65	12	7	6	3	0.0	0	
Greenfield	81.7	63.4	72.6	-0.9	92	12	53	21	3	0	0	0	2	7	8	9	242	272	859	869	8.81	5.22	3.74	1	12	9	2	0.0	0	
Hastings 4 NE																					3.56		1.42	12	9	5	1	0.0	0	
Oakland	83.2	62.8	73.0	0.6	93	12 +	53	22 +	3	0	0	0	4	12	10	16	257	241	916	795	6.10	2.18	2.37	12	11	6	3	0.0	0	
Randolph																					8.47	4.69	4.23	12	8	7	4	0.0	0	
Red Oak	83.5	64.2	73.9	0.2	95	12	53	22 +	3	0	0	0	2	9	4	11	285	279	1004	917	5.17	1.44	2.34	12	11	7	1	0.0	0	
Shenandoah	84.4	64.9	74.7	0.1	96	12	54	21	6	0	0	0	1	5	5	6	308	303	1096	993	9.55	5.81	4.15	12	11	7	3	0.0	0	
Sidney 1 SSE	82.9	63.5	73.2	-0.7	96	12	54	22 +	3	0	0	0	3	6	9	8	265	284	559	926	9.43	5.90	3.76	12	10	7	4	0.0	0	
Underwood																					3.51		0.88	30	7	7	0	0.0	0	
SOUTH CENTRAL DIVISION																														
Albia 3 NNE	81.6	64.3	73.0	0.0	92	5	56	22 +	3	0	0	0	0	10	7	13	254	257		792	5.76	1.64	2.05	3	14	9	1	0.0	0	
Allerton	82.5	64.2	73.4	0.4	94	5	54	22 +	4	0	0	0	0	8	8	12	266	255	863	777	4.07	-0.93	0.86	12	16	9	0	0.0	0	
Beaconsfield	81.2	63.5	72.4	-0.2	90	12 +	54	21	3	0	0	0	2	11	9	14	239	246	800	748	7.26	3.05	1.83	1	14	12	2	0.0	0	
Centerville	83.8	64.5	74.2	0.7	93	5	53	22 +	3	0	0	0	0	7	5	9	290	270	921	831	7.69	3.45	2.42	12	13	11	2	0.0	0	

AUGUST 2016 — MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA — IOWA CLIMATE REVIEW

STATION	AVG MAX	AVG MIN	MEAN	DEP NORM	EXT MAX	DAY	EXT MIN	DAY	NUMBER OF DAYS MAX 90+	MAX 32-	MIN 32-	MIN 0-	HEATING DEGREE DAYS AUG 2016	AUG NORM	16-17 SEAS	NORM SEAS	COOLING DEGREE DAYS AUG 2016	AUG NORM	2016 SEAS	NORM SEAS	PRECIPITATION (inches) TOTAL	DEP NORM	EXT DAY	DAY	NUMBER OF DAYS 0.01+	0.10+	1.00+	SNOWFALL (inches) TOTAL	MAX ON GND	DAY
Chariton 1 E	82.3	62.1	72.2	0.1	93	5	54	22 +	3	0	0	0	1	14	8	19	235	233	779	708	4.19	-0.22	0.72	13	13	9	0	0.0	0	
Creston 2 SW	81.2	63.7	72.5	0.1	91	12	53	21	2	0	0	0	2	13	6	17	240	242	835	758	7.96	3.90	2.00	2	10	9	3	0.0	0	
Indianola 4 W	83.8	64.3	74.1	1.5	94	5	53	21	4	0	0	0	1	9	5	12	290	246	944	767	5.73	2.13	2.61	25	14	9	2	0.0	0	
Knoxville	82.4	64.9	73.7	0.2	94	5	55	21	4	0	0	0	1	8	7	10	277	271	940	854	5.07	0.42	1.04	12	16	9	1	0.0	0	
Lamoni	85.2	66.0	75.6	1.1	97	12	57	22 +	8	0	0	0	0	6	5	7	338	299	1142	930	6.28	1.76	2.00	1	15	10	1	0.0	0	
Lamoni Airport	82.6	64.5	73.6	-0.1	92	11 +	54	21	3	0	0	0	0	6	6	8	272	275	951	838	5.88		2.45	1	13	7	1	0.0	0	
Lorimor																					7.03	3.16	1.90	12	12	9	3	0.0	0	
Mount Ayr	81.5	64.2	72.9	0.3	92	12	52	22 +	2	0	0	0	6	11	12	15	254	248	842	740	9.16	4.92	4.25	1	13	11	2	0.0	0	
Osceola	84.3	64.0	74.2	1.1	95	5	53	21	7	0	0	0	1	10	6	12	295	263	919	808	3.24	-1.36	0.97	12	14	9	0	0.0	0	
Pella 1 S																					6.17	1.33	1.37	12	15	10	2	0.0	0	
Rathbun Dam	82.7	65.8	74.3	0.6	94	5	55	22	2	0	0	0	0	6	7	8	294	275	952	851	5.65	1.00	1.85	3	16	10	2	0.0	0	
Winterset 1 S	82.0	63.4	72.7	0.8	91	11 +	51	21	3	0	0	0	4	15	10	19	251	227	807	719	4.66	0.98	1.43	12	11	7	2	0.0	0	
SOUTHEAST DIVISION																														
Bloomfield 1 WNW														7		9		277		853	6.75	2.09	1.91	2	13	11	4	0.0	0	
Brighton																					7.48	3.09	2.82	5	11	6	2	0.0	0	
Burlington Airport	83.5	66.3	74.9	-0.2	90	29 +	54	22	3	0	0	0	0	3	6	4	316	314	1033	1043	5.03	0.76	1.96	4	11	10	2	0.0	0	
Donnellson	85.0	66.3	75.7		92	30 +	55	22	5	0	0	0	0		8		337		1127		7.31	3.26	2.86	12	10	9	2	0.0	0	
Fairfield	82.7	65.8	74.3	0.1	91	5	54	22	2	0	0	0	0	6	6	7	294	289	959	948	9.27	5.29	3.52	12	12	7	2	0.0	0	
Fort Madison	83.8	67.9	75.9	0.4	93	4	58	22 +	2	0	0	0	0	3	10	3	345	328	1000	1045	5.84	1.94	1.98	12	11	11	2	0.0	0	
Keokuk Lock & Dam 19	84.0	67.7	75.9	0.9	92	12	57	22	3	0	0	0	0	3	7	3	342	313	1117	999	4.98	1.35	1.60	5	11	7	1	0.0	0	
Keosauqua	84.2	65.2	74.7		92	5	54	21	3	0	0	0	0	7	7	8	307	298	995	943	6.12	2.37	2.08	12	10	8	2	0.0	0	
Mount Pleasant 1 SSW	82.4	64.6	73.5	-0.6	89	5	53	22	0	0	0	0	1	6	11	7	272	288	896	927	8.40	4.39	2.00	12 +	13	11	4	0.0	0	
Oskaloosa	83.9	64.6	74.3	2.1	92	5	55	21	1	0	0	0	0	12	5	14	291	236	940	760	5.95	1.32	1.81	30	13	10	1	0.0	0	
Ottumwa Airport	82.7	64.8	73.8	0.8	91	4	55	22 +	2	0	0	0	0	9	7	11	280	255	899	834	5.81	1.20	1.45	29	13	12	1	0.0	0	
Salem 1 S																					6.12		2.30	5	11	8	2	0.0	0	
Sigourney	84.8	64.0	74.4	2.0	93	12 +	53	21	7	0	0	0	0	11	0	14	299	242		767	6.74	1.84	1.92	12	12	9	3	0.0	0	
Wapello																							2.75	12				0.0	0	
Washington	83.6	63.9	73.8	1.4	90	12 +	52	22	2	0	0	0	0	10	6	13	280	240	890	778	6.58	2.41	2.25	5	14	7	3	0.0	0	
SUPPLEMENTAL STATIONS																														
Moline Airport	84.6	65.9	75.3	1.8	90	10	53	22	1	0	0	0	0	6	1	8	325	269	1073	883	8.07	3.55	1.71	11	14	8	3	0.0	0	
Omaha Eppley AP	85.9	65.9	75.9	1.3	99	11	55	21	9	0	0	0	0	7	0	8	345	303	1247	980	5.78	1.96	1.32	11	9	6	4	0.0	0	
Sioux Falls WFO AP	82.8	61.7	72.3	1.7	94	10	49	26 +	3	0	0	0	3	23	8	31	236	198	780	625	2.32	-0.73	1.04	11	6	4	1	0.0	0	
DIVISIONAL AND STATE AVERAGES																														
Northwest	81.4	60.2	70.8	0.5	94	19 +	46	22 +	2	0	0	0	8	21	11	29	195	185	728	632	3.28	-0.50	2.62	11	8	5	1	0.0	0	
North Central	80.2	60.5	70.4	0.8	91	19	50	21	0	0	0	0	8	23	12	31	180	167	634	573	5.77	1.66	4.73	24	10	6	2	0.0	0	
Northeast	81.5	62.0	71.8	1.6	92	4	48	22	1	0	0	0	5	20	9	28	221	181	686	594	6.57	1.94	8.06	24	11	8	2	0.0	0	
West Central	81.9	61.4	71.7	0.1	96	10	46	21	2	0	0	0	6	15	12	20	219	218	812	726	4.81	0.92	2.76	12	11	7	2	0.0	0	
Central	81.7	62.5	72.1	0.7	95	4	51	21	2	0	0	0	3	15	6	20	232	213	804	701	7.40	2.94	4.71	12	12	8	3	0.0	0	
East Central	83.3	63.7	73.5	1.7	92	18 +	49	22	2	0	0	0	1	12	5	16	273	224	859	740	7.90	3.40	6.99	12	12	8	3	0.0	0	
Southwest	83.1	63.4	73.3	0.2	96	12	51	22 +	4	0	0	0	2	9	8	11	264	261	880	842	6.60	2.79	4.23	12	11	8	2	0.0	0	
South Central	82.7	64.2	73.5	0.5	97	12	51	21	4	0	0	0	1	10	7	13	271	256	900	791	5.99	1.70	4.25	1	14	9	2	0.0	0	
Southeast	83.7	65.6	74.7	1.0	93	12 +	52	22	3	0	0	0	0	7	7	8	306	277	986	890	6.60	2.34	3.52	12	12	9	2	0.0	0	
State	82.1	62.5	72.3	0.8	97	12	46	22 +	2	0	0	0	4	15	9	20	237	217	803	713	6.05	1.85	8.06	24	11	7	2	0.0	0	

AUGUST 2016 — DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) — IOWA CLIMATE REVIEW

STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
			DAY OF MONTH																															
NORTHWEST DIVISION																																		
Cherokee	8	MAX	85	78	85	87	87	80	81	80	81	88	93	85	80	84	84	81	86	87	90	77	73	77	83	76	77	75	71	77	86	84	81	81.9
		MIN	64	65	67	71	56	54	56	55	59	69	66	65	58	57	57	61	63	65	69	60	49	52	62	62	54	51	58	58	63	65	56	60.2
Emmetsburg	8	MAX	83	80	85	86	88	79	80	80	81	87	92	82	79	84	82	80	85	87	91	78	72	76	83	81	80	74	70	76	86	85	76	81.5
		MIN	64	65	63	69	57	55	59	57	61	67	67	67	62	62	58	65	63	65	67	59	50	56	62	64	53	53	54	54	64	67	55	60.8
Estherville Airport	24	MAX	79	82	84	84	76	78	78	79	85	88	82	75	80	79	78	81	84	87	76	69	74	81	77	76	74	69	73	83	83	77	78	79.0
		MIN	66	65	63	59	55	52	55	52	62	65	66	61	59	57	54	63	59	59	63	53	48	55	60	57	53	50	56	54	61	58	51	57.8
Estherville 4 E	7	MAX	81	81	84	85	87	77	79	79	79	87	89	82	74	80	79	80	81	84	90	76	70	77	82	78	78	75	70	75	85	84	77	80.2
		MIN	66	65	64	65	57	54	58	54	56	62	66	67	60	57	54	55	59	59	60	58	49	50	60	63	55	51	55	55	61	65	52	58.5
Hawarden	7	MAX	87	83	89	88	87	82	82	81	82	90	94	80	83	84	84	82	89	88	94	74	76	82	86	75	75	77	73	80	89	86	85	83.5
		MIN	68	67	68	69	57	55	56	57	58	69	67	63	59	57	60	61	62	62	62	56	51	49	63	61	55	51	51	61	65	65	56	60.0
Le Mars	7	MAX	83	86	88	86	88	82	81	80	81	89	92	85	83	83	83	82	87	87	91	74	75	78	83	73	76	76	72	78	87	85	82	82.5
		MIN	68	68	68	69	57	55	58	58	59	67	67	64	60	57	58	60	62	63	65	57	51	51	62	64	57	51	51	61	63	64	55	60.3
Pocahontas	8	MAX	84	79	85	86	89	80	81	81	81	86	91	77	78	82	83	79	83	89	88	76	72	76	80	79	80	76	70	78	87	82	75	81.1
		MIN	63	65	62	67	61	59	59	55	59	67	66	66	62	62	56	61	63	63	68	60	53	56	60	64	55	52	57	57	63	65	57	60.7
Primghar	16	MAX	80	85	88	87	80	78	78	81	87	92	92	77	81	81	82	84	85	89	89	76	77	83	82	76	74	74	73	86	86	84	79	82.1
		MIN	68	69	70	74	58	60	65	60	67	74	66	66	59	60	63	65	63	70	67	58	50	62	64	64	59	56	60	64	67	67	60	63.7
Rock Rapids	8	MAX	86	83	85	88	81	79	82	83	81	90	93	78	80	82	84	83	86	88	91	74	71	79	85	74	76	75	77	77	89	88	84	82.3
		MIN	63	69	67	68	56	55	55	59	59	67	66	65	60	58	61	62	61	62	64	57	48	48	63	63	58	52	54	61	63	67	58	60.3
Sanborn	8	MAX	83	81	85	86	85	78	79	79	82	87	90	79	78	80	80	81	83	85	88	78	72	76	82	74	76	73	70	74	85	82	79	80.3
		MIN	66	68	69	70	56	57	63	60	61	63	65	67	59	60	60	62	63	63	65	57	50	50	62	64	56	55	57	60	65	66	58	61.2
Sheldon	7	MAX	83	80	87	84	83	78	81	81	80	88	90	81	80	81	82	81	84	86	89	77	71	78	82	73	74	73	70	76	85	84	81	80.7
		MIN	64	66	64	68	54	50	52	53	54	66	65	63	55	55	57	58	58	59	64	57	46	46	59	62	53	49	49	60	61	64	52	57.5
Sibley	7	MAX	84	83	87	88	85	80	80	81	82	89	93	78	80	82	81	82	84	86	89	77	72	77	84	75	77	74	70	75	86	85	80	81.5
		MIN	66	67	67	68	55	54	56	58	58	66	65	66	58	57	57	59	62	63	65	56	48	51	61	63	55	52	52	60	60	64	55	59.5
Sioux Center 2 SE	16	MAX	85	88	88	87	79	78	79	81	88	92	92	78	83	83	81	86	88	90	91	73	78	83	84	75	75	75	76	88	87	83	80	83.0
		MIN	67	68	64	73	55	53	63	55	63	71	66	64	60	56	58	63	61	66	63	56	47	58	63	63	56	51	60	60	62	65	55	60.8
Sioux Rapids 4 E	22	MAX	77	82	83	86	79	80	77	79	85	88	78	77	81	78	78	82	83	86	75	70	74	78	76	78	74	69	76	83	81	77	77	78.9
		MIN	65	66	64	67	57	52	61	57	62	68	66	65	59	59	57	64	63	66	66	56	50	56	60	60	56	53	59	61	63	62	55	60.5
Spencer Airport	24	MAX	81	86	89	89	81	82	80	83	90	93	83	79	84	82	81	84	88	90	79	74	77	85	78	80	76	70	76	87	86	81	80	82.4
		MIN	67	67	63	57	53	50	58	53	64	70	66	61	58	56	55	64	60	63	66	52	46	58	62	56	53	49	57	57	61	58	50	58.4
Spencer 1 N	24	MAX	81	86	88	87	79	80	80	83	89	94	82	77	83	80	82	85	86	90	78	71	77	83	78	77	76	70	76	87	86	79	79	81.6
		MIN	66	67	64	65	58	55	57	53	65	70	66	64	60	59	57	64	61	66	66	55	50	60	60	60	57	51	59	58	63	62	54	60.4
Spirit Lake 4 W	24	MAX	80	84	85	88	78	79	79	80	86	90	82	78	83	80	80	84	88	89	78	71	77	82	76	78	75	70	74	84	84	78	78	80.6
		MIN	68	68	68	62	56	55	61	59	66	72	66	65	60	59	62	66	63	70	65	54	50	62	64	60	57	53	60	65	65	63	55	61.9
Storm Lake	8	MAX	82	75	84	85	87	78	79	78	78	86	90	80	78	83	81	79	84	85	88	77	71	75	80	77	79	75	70	77	85	84	78	80.3
		MIN	64	65	67	70	59	60	58	57	58	66	66	66	61	60	60	63	65	67	69	60	51	52	60	63	59	55	56	59	63	65	59	61.4
Washta	7	MAX	84	84	89	88	88	83	79	78	81	90	93	84	84	85	84	82	85	88	91	76	71	77	82	77	77	75	72	79	86	84	81	82.5
		MIN	66	67	67	68	57	57	60	59	59	66	67	64	61	60	58	58	66	67	66	59	50	50	60	64	52	50	50	60	60	64	56	60.3

AUGUST 2016 — DAILY MAXIMUM AND MINIMUM AIR TEMPERATURES FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) — IOWA CLIMATE REVIEW

STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
			DAY OF MONTH																															
NORTH CENTRAL DIVISION																																		
Algona 3 W	6	MAX	81	79	84	85	86	77	78	78	81	85	89	80	77	81	79	79	82	85	87	75	70	74	80	80	79	77	69	77	84	80	78	79.9
		MIN	63	65	65	65	59	55	55	56	56	64	67	67	63	57	59	59	59	64	66	61	52	52	56	61	58	53	54	60	63	64	55	59.8
Allison	7	MAX	82	80	83	87	87	77	78	77	81	85	89	84	79	80	80	80	84	85	89	78	71	73	81	81	78	78	71	77	86	79	77	80.5
		MIN	63	67	67	66	60	58	57	60	62	65	69	69	61	62	62	61	63	65	66	64	52	53	56	61	58	56	56	62	66	66	55	61.5
Britt	7	MAX	M	80	M	88	87	M	M	M	M	85	88	84	M	M	M	M	M	M	88	81	M	73	79	79	M	M	M	M	M	M	M	M
		MIN	M	68	M	68	60	M	M	M	M	69	66	67	M	M	M	M	M	M	64	59	M	56	56	65	M	M	M	M	M	M	M	M
Charles City	22	MAX	80	82	86	85	76	77	76	79	84	87	82	77	80	79	80	84	83	87	73	69	72	79	80	79	77	70	75	83	79	79	76	79.2
		MIN	66	69	67	69	60	57	58	58	64	68	68	68	65	61	59	63	63	65	65	58	52	53	60	65	61	55	59	60	65	65	55	62.0
Clarion	7	MAX	M	M	M	M	M	M	M	M	M	87	90	79	M	M	82	80	84	88	91	80	M	76	81	83	78	78	M	M	87	79	80	M
		MIN	M	M	M	M	M	M	M	M	M	64	68	68	M	M	59	59	63	63	66	M	M	51	58	63	61	55	M	M	67	67	58	M
Dakota City	8	MAX	83	79	85	86	89	79	79	79	80	86	90	77	80	82	81	80	83	86	88	80	70	76	80	81	81	78	70	78	86	77	78	80.9
		MIN	67	65	64	65	60	55	56	56	58	64	67	67	62	62	57	58	64	64	66	61	52	52	60	61	57	53	54	61	63	65	55	60.4
Forest City 2 NNE	7	MAX	81	80	83	87	87	75	79	78	80	85	89	83	71	80	78	78	83	83	87	74	69	73	80	80	78	75	69	74	83	78	77	79.3
		MIN	64	67	63	66	59	56	56	58	61	65	65	66	61	60	58	58	62	59	65	62	51	52	57	61	59	55	55	60	63	64	52	60.0
Hampton	7	MAX	82	81	85	88	90	80	82	78	81	87	89	83	81	83	84	81	85	86	90	77	73	76	82	83	79	79	71	78	87	83	82	82.1
		MIN	64	66	65	67	61	58	58	57	58	64	68	68	62	62	58	58	65	62	63	64	53	54	59	61	60	55	55	58	58	66	57	60.8
Mason City	7	MAX	81	79	84	87	87	78	79	77	80	85	88	85	72	82	81	79	84	86	89	72	71	74	81	82	79	77	70	76	83	83	80	80.4
		MIN	64	67	67	67	62	57	58	57	58	65	68	67	61	61	58	58	62	63	64	63	53	53	60	61	60	55	55	59	59	66	55	60.7
Mason City Airport	24	MAX	80	84	89	88	78	79	78	80	86	89	85	72	81	81	79	83	85	88	73	71	73	81	82	79	76	70	75	83	81	80	78	80.2
		MIN	67	66	63	64	58	55	56	54	62	64	67	65	61	58	55	59	61	61	64	55	52	53	60	64	58	52	59	56	64	58	53	59.5
Northwood	7	MAX	M	M	M	M	M	M	M	81	77	82	85	85	72	81	77	76	82	84	84	74	67	72	77	80	76	73	67	71	81	78	76	M
		MIN	M	M	M	M	M	M	M	55	56	65	65	65	59	59	55	55	61	61	63	59	51	53	54	58	59	53	53	58	59	64	53	M
Osage	7	MAX	81	81	82	86	84	76	78	77	80	83	87	83	79	81	79	79	82	84	86	73	69	72	79	81	78	76	70	73	82	82	79	79.4
		MIN	65	66	66	67	61	57	60	59	62	66	67	67	64	59	59	61	63	64	64	60	53	55	58	63	59	54	56	60	63	66	56	61.3
Swea City 4 W	7	MAX	81	80	83	86	86	76	78	80	81	86	90	85	73	80	79	79	81	84	88	75	70	74	80	79	78	77	69	75	85	82	77	79.9
		MIN	62	65	64	65	58	54	56	56	58	63	66	66	61	57	56	57	60	59	64	59	50	51	57	62	57	52	53	57	61	61	54	58.7
NORTHEAST DIVISION																																		
Cascade	7	MAX	83	87	88	88	86	80	79	83	83	84	88	85	80	81	84	81	84	85	89	84	74	73	80	82	86	78	74	79	87	83	83	82.6
		MIN	64	70	70	64	69	59	58	60	60	66	69	70	69	61	61	63	64	66	67	66	55	51	53	60	64	58	62	62	62	62	61	62.8
Cresco 1 NE	7	MAX	M	M	M	M	M	M	M	M	M	M	M	86	82	82	82	81	85	86	87	77	72	74	80	80	83	77	73	74	83	83	82	M
		MIN	M	M	M	M	M	M	M	M	M	M	M	70	66	60	55	58	63	62	64	60	53	54	57	62	60	52	53	57	63	64	53	M
Decorah	16	MAX	83	86	89	87	84	78	80	81	84	88	88	85	81	81	82	84	84	87	86	79	73	79	82	82	82	75	72	83	82	81	81	82.2
		MIN	62	67	69	72	59	57	58	61	64	67	70	68	66	60	58	63	65	64	66	65	55	51	61	65	62	57	61	63	66	70	55	62.8
Dubuque Lock & Dam 11	6	MAX	83	85	87	92	88	81	80	80	86	87	90	89	82	82	84	84	88	91	90	85	74	73	81	83	88	79	74	76	87	80	83	83.6
		MIN	62	67	70	72	68	62	62	63	64	68	71	70	70	63	64	67	65	66	66	66	56	55	57	64	66	63	62	62	65	67	65	64.8
Dubuque Airport	24	MAX	81	83	86	85	79	78	79	81	82	86	84	81	81	81	81	83	83	86	83	73	73	77	79	85	78	74	78	86	82	84	76	80.9
		MIN	65	69	68	68	63	60	60	63	64	67	72	70	63	60	64	61	66	66	67	58	53	52	59	67	63	60	63	62	65	68	59	63.4

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STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
			DAY OF MONTH																															
Elkader 6 SSW	7	MAX	79	82	85	88	86	78	78	78	81	84	87	87	80	80	83	82	85	85	88	82	72	73	80	81	84	77	69	77	84	82	82	81.3
		MIN	60	64	65	66	59	54	54	55	58	63	64	67	65	58	58	59	62	64	65	64	54	48	49	59	59	54	55	59	59	64	56	59.4
Fayette	7	MAX	81	83	84	87	86	78	79	78	82	84	87	88	82	80	82	82	84	84	87	79	71	72	79	82	83	77	70	75	85	83	81	81.1
		MIN	63	65	68	69	60	58	57	60	61	64	64	68	66	60	60	61	63	63	63	64	52	53	55	59	59	55	59	59	60	67	57	61.0
Guttenberg L & D 10	24	MAX	83	86	89	87	80	79	79	83	86	88	89	80	82	84	83	86	88	90	83	73	74	80	83	88	79	72	74	85	83	83	77	82.5
		MIN	67	70	70	69	66	60	61	67	66	71	74	72	70	63	66	66	65	67	68	62	55	56	64	66	63	60	64	64	68	70	63	65.6
Manchester #2	7	MAX	79	83	83	87	86	78	78	78	83	84	88	87	80	80	82	80	84	84	87	80	72	73	79	80	85	75	71	78	85	81	81	81.0
		MIN	63	66	65	67	64	55	60	59	61	64	66	69	66	58	59	60	63	63	64	64	53	49	50	60	60	54	56	57	57	62	59	60.4
New Hampton	8	MAX	80	80	82	86	86	76	78	76	80	83	88	83	80	80	79	80	83	83	86	73	73	73	78	80	79	77	71	74	83	81	79	79.7
		MIN	61	66	65	67	58	57	58	58	58	64	70	67	65	59	61	61	61	62	64	60	51	51	52	61	58	55	54	60	61	65	58	60.3
Oelwein 1 E	7	MAX	81	82	84	90	87	77	78	78	82	85	88	87	78	79	83	81	84	85	88	80	72	72	79	82	83	76	70	75	86	83	83	81.2
		MIN	65	65	68	71	60	57	60	60	63	66	71	69	66	63	62	65	64	67	67	63	52	53	55	60	60	58	59	62	65	66	57	62.5
Postville	7	MAX	81	82	81	88	86	80	75	77	81	85	87	86	79	80	82	81	84	84	86	77	71	72	79	81	82	77	71	73	84	80	83	80.5
		MIN	63	64	68	70	61	57	57	57	63	66	67	68	63	63	58	59	63	62	62	65	54	55	56	60	59	55	55	57	59	66	57	60.9
Stanley 4 W	7	MAX	80	81	85	88	86	79	77	76	81	86	87	87	78	79	83	80	85	85	88	80	71	71	80	82	83	76	68	77	85	83	79	80.8
		MIN	64	64	64	65	59	55	54	57	60	64	66	69	66	56	58	59	61	62	63	63	52	49	52	60	57	54	55	57	60	63	57	59.5
Tripoli	7	MAX	82	82	84	89	88	79	80	77	82	86	89	88	81	82	83	81	86	86	89	80	72	75	81	82	81	78	70	77	86	82	82	81.9
		MIN	64	67	67	68	60	58	58	59	61	66	69	69	66	61	60	62	64	65	66	65	53	53	55	61	61	58	58	62	62	67	58	62.0
Waterloo Airport	24	MAX	82	84	88	89	79	80	80	82	85	90	87	77	82	84	82	85	85	89	81	73	74	81	82	81	78	71	77	86	81	80	78	81.7
		MIN	67	67	65	70	62	58	57	60	63	66	71	67	64	60	59	62	68	64	65	58	54	55	63	65	60	55	60	58	65	60	55	62.0
WEST CENTRAL DIVISION																																		
Audubon	8	MAX	82	82	84	85	88	80	79	77	77	85	89	88	79	83	80	79	81	85	86	83	72	77	78	78	81	77	68	78	86	85	77	80.9
		MIN	64	64	63	64	61	58	63	57	57	67	71	66	59	58	57	57	63	63	68	60	51	52	57	63	55	54	56	56	63	66	61	60.5
Battle Creek 3 NE	8	MAX	84	81	87	87	88	77	79	79	80	89	92	86	79	84	82	82	86	86	90	77	71	79	82	79	79	74	71	82	89	88	79	82.2
		MIN	68	67	65	70	56	56	58	53	58	70	67	66	56	54	52	57	60	64	65	60	46	51	64	65	50	49	56	55	60	63	54	59.2
Carroll	7	MAX	83	79	84	86	90	79	78	79	78	87	90	87	79	84	82	80	83	87	88	83	71	77	81	80	80	78	70	78	88	85	79	81.7
		MIN	66	67	64	66	64	62	63	58	58	67	70	67	61	60	57	58	65	65	69	66	53	53	60	65	56	54	55	60	61	65	59	61.7
Castana Exp. Farm	8	MAX	83	82	86	86	89	79	79	79	80	88	92	88	79	83	82	82	84	86	89	76	73	77	81	80	80	75	72	79	87	85	79	81.9
		MIN	64	68	68	68	60	62	62	58	62	70	69	66	62	62	60	63	64	66	67	58	53	54	59	64	57	55	54	62	65	64	60	62.1
Denison	7	MAX	81	80	85	85	89	79	77	77	77	87	90	86	77	83	81	80	84	89	88	80	69	75	79	77	78	78	68	80	86	86	79	81.0
		MIN	65	66	66	67	60	60	58	58	59	67	70	65	59	59	60	60	64	64	68	58	51	51	59	63	57	56	56	60	63	64	59	61.0
Guthrie Center	8	MAX	83	77	85	85	93	79	78	77	78	85	90	89	80	84	83	80	84	88	89	89	72	78	80	78	82	76	70	81	87	85	78	82.0
		MIN	64	66	65	68	62	60	62	56	61	66	69	67	62	59	58	60	65	64	69	61	52	57	60	61	57	54	57	58	64	67	61	61.7
Holstein	22	MAX	79	84	85	86	77	77	77	79	86	91	82	77	81	79	81	83	85	87	76	70	76	81	77	77	73	70	77	86	83	78	77	79.9
		MIN	66	68	69	68	58	58	64	60	65	72	66	64	58	59	61	64	65	68	65	56	50	59	63	63	56	57	59	63	65	64	57	62.3
Little Sioux 2 NW	7	MAX	84	85	88	87	90	81	81	77	82	90	93	92	78	82	83	81	85	88	89	79	74	78	85	84	79	79	70	80	88	85	79	83.1
		MIN	68	68	69	67	59	59	62	57	58	68	68	66	57	57	56	56	64	64	68	58	49	49	59	60	51	51	51	60	61	65	58	60.1
Logan	8	MAX	85	87	88	88	91	80	79	80	80	89	93	94	81	85	83	82	85	88	90	82	73	78	83	83	81	78	70	82	90	88	79	83.7
		MIN	71	70	68	71	63	64	64	58	62	72	72	68	58	58	59	62	65	67	70	60	51	54	63	64	55	56	59	61	62	66	63	63.1

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STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
			DAY OF MONTH																															
Mapleton #2	7	MAX	86	84	85	89	88	79	78	79	80	89	94	87	80	83	82	82	86	88	90	76	73	78	83	81	80	75	71	81	90	86	78	82.6
		MIN	66	68	67	69	56	56	62	55	54	69	69	65	58	56	56	56	63	63	66	59	50	50	59	64	51	50	51	58	61	63	56	59.5
Rockwell City	7	MAX	82	75	82	83	89	78	77	76	78	85	90	86	81	83	81	80	83	84	88	81	72	75	79	81	81	77	70	77	85	82	79	80.6
		MIN	66	67	65	67	61	58	58	59	62	67	70	70	64	64	63	66	65	66	70	64	56	56	60	62	58	56	56	61	64	66	58	62.7
Sac City	7	MAX	81	74	83	84	88	79	78	76	79	86	90	84	78	81	80	77	82	83	86	77	71	75	80	79	79	75	68	77	85	83	79	79.9
		MIN	66	66	64	68	61	58	62	55	59	68	66	65	61	58	56	62	63	65	67	59	51	55	59	65	54	53	56	60	63	65	57	60.9
Sioux City Airport	24	MAX	87	91	88	90	84	84	82	82	92	96	91	85	86	86	85	86	89	92	82	75	80	85	82	75	76	76	81	88	85	85	83	84.8
		MIN	71	70	70	65	58	63	63	58	67	74	69	63	61	59	61	67	66	70	67	55	51	59	65	58	56	54	64	63	67	67	60	63.3
CENTRAL DIVISION																																		
Ames Airport	24	MAX	78	83	86	91	80	81	78	78	86	91	89	81	83	84	81	85	86	91	86	73	76	81	82	81	77	72	78	88	86	79	80	82.3
		MIN	68	64	63	71	59	58	58	57	63	66	69	67	64	60	59	61	65	64	66	57	54	54	59	66	57	56	60	59	67	66	58	61.8
Ames 8 WSW	16	MAX	81	82	85	89	88	77	77	77	85	88	86	87	81	81	80	83	84	89	89	81	75	80	81	77	78	76	74	86	82	83	78	81.9
		MIN	68	67	65	71	63	60	62	61	64	69	68	69	63	64	61	64	64	69	71	61	53	55	60	68	61	57	59	63	68	67	59	63.7
Ames 5 SE	6	MAX	82	78	82	85	89	78	79	78	M	M	89	M	M	M	M	M	M	M	90	86	M	M	M	M	M	M	M	M	M	M	M	M
		MIN	61	65	64	64	63	59	59	60	M	M	M	M	M	M	M	M	M	M	67	M	M	M	M	M	M	M	M	M	M	M	M	M
Ankeny	8	MAX	82	78	83	86	92	78	79	79	79	87	91	89	81	82	82	81	86	85	90	87	72	75	80	81	82	75	71	80	88	84	81	82.1
		MIN	69	66	65	72	64	61	60	60	66	68	72	68	63	62	61	64	65	67	72	64	54	58	63	66	62	59	60	61	62	69	62	64.0
Boone	8	MAX	82	77	83	86	89	80	79	79	77	87	90	87	80	82	82	79	85	85	89	85	71	75	80	81	79	78	70	78	89	85	78	81.5
		MIN	62	66	64	68	60	58	59	61	63	67	67	67	60	61	60	63	64	66	70	62	51	53	61	65	58	58	60	60	64	66	57	62.0
Des Moines Airport	24	MAX	79	85	88	95	83	83	80	81	89	93	91	84	86	86	83	87	88	92	90	75	78	83	83	85	78	74	83	90	86	83	83	84.6
		MIN	69	70	68	74	68	67	68	66	70	74	72	70	66	67	67	67	67	72	68	62	57	60	64	68	65	63	64	69	72	71	66	67.5
Des Moines Camp Dodge	24	MAX	77	82	86	91	81	80	77	79	86	91	90	83	85	84	81	86	87	91	89	75	77	81	82	84	76	71	81	87	86	81	80	82.8
		MIN	68	69	68	72	65	63	64	64	67	70	69	66	62	64	64	65	67	71	66	58	53	61	65	66	63	58	61	67	69	68	62	65.0
Eldora	7	MAX	83	81	84	88	91	78	79	77	81	87	91	83	81	82	83	80	85	86	90	81	72	74	81	83	76	77	68	77	86	83	79	81.5
		MIN	64	67	65	65	61	58	59	61	64	67	68	68	61	61	60	61	64	65	66	64	52	53	56	60	62	57	57	60	65	65	58	61.7
Fort Dodge 5 NNW	7	MAX	80	77	81	85	87	76	76	76	77	83	88	75	79	82	80	77	80	83	86	77	69	72	78	80	81	78	71	75	83	78	77	78.9
		MIN	62	64	65	65	59	56	55	53	57	66	67	67	61	61	57	58	63	65	68	61	53	57	61	61	57	54	55	60	61	63	56	60.3
Grinnell 3 SW	7	MAX	80	77	77	84	89	78	79	75	80	84	87	88	80	82	83	79	83	84	87	85	73	74	79	80	83	73	73	79	84	82	82	80.7
		MIN	63	66	61	62	64	58	57	60	63	67	69	69	64	61	60	59	60	65	69	66	54	54	57	62	64	56	62	62	64	66	62	62.1
Grundy Center	8	MAX	81	80	84	87	89	78	78	77	81	85	89	86	78	81	81	81	84	85	88	80	71	73	80	81	79	76	69	77	86	82	79	80.8
		MIN	64	66	65	67	61	57	58	60	63	67	69	68	62	61	59	61	65	63	65	64	53	56	58	61	62	57	57	59	67	64	57	61.8
Iowa Falls	7	MAX	81	80	84	85	89	78	79	77	79	85	89	81	78	82	81	81	84	85	88	83	72	74	79	80	76	78	69	77	85	84	79	80.7
		MIN	65	66	64	65	60	57	57	59	60	65	68	68	61	61	58	59	63	63	64	63	53	53	55	59	61	55	55	59	66	66	57	60.8
Marshalltown	7	MAX	83	80	82	87	90	79	79	79	82	87	90	89	80	82	83	82	84	85	89	86	72	74	80	81	79	76	70	79	89	82	80	81.9
		MIN	64	67	64	65	63	58	58	59	61	68	70	68	64	63	59	59	64	64	66	65	55	55	60	63	63	56	57	59	62	66	58	62.0
Marshalltown Airport	24	MAX	80	83	87	90	79	80	78	82	86	90	88	82	82	83	81	84	86	89	85	72	74	80	82	79	75	69	77	87	83	80	78	81.6
		MIN	67	66	63	70	60	57	57	61	65	67	69	67	62	62	60	60	65	65	66	57	53	56	62	66	59	57	61	61	66	63	57	62.2
Newton	7	MAX	82	78	80	86	93	79	79	77	81	87	90	91	82	83	84	82	86	85	91	89	73	75	83	82	83	74	72	80	89	84	82	82.6
		MIN	63	65	64	64	64	61	61	63	63	67	68	69	64	64	63	63	65	65	68	66	55	55	56	61	64	61	61	61	64	67	61	63.1

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STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
			DAY OF MONTH																															
Perry	7	MAX	84	78	86	89	91	81	80	79	81	88	93	91	81	82	84	81	84	87	91	87	73	78	82	83	82	77	74	80	90	86	80	83.3
		MIN	67	67	67	68	62	61	62	60	64	67	72	69	62	63	60	61	65	65	68	64	54	55	61	65	60	56	56	62	66	68	61	63.2
Toledo 3 N	7	MAX	82	80	80	87	89	77	78	78	82	86	89	88	80	80	83	82	84	86	89	85	71	74	80	80	82	74	72	78	86	84	81	81.5
		MIN	61	65	64	64	62	58	57	57	59	66	70	69	62	62	59	59	61	64	64	65	53	53	56	59	62	57	57	59	60	66	58	60.9
Webster City	7	MAX	82	82	84	86	89	79	78	77	80	85	89	80	79	82	81	79	83	84	88	82	70	74	79	80	81	78	72	78	86	83	78	80.9
		MIN	62	64	64	65	59	56	57	59	57	63	67	67	60	59	57	57	60	63	66	63	54	55	55	59	58	54	56	61	63	65	56	60.0
EAST CENTRAL DIVISION																																		
Anamosa 3 SSW	6	MAX	81	81	81	87	87	79	79	79	81	83	87	89	82	80	83	81	84	84	88	85	73	73	78	80	84	77	76	80	85	84	84	81.8
		MIN	65	66	67	67	67	59	57	57	62	63	66	69	67	60	61	62	62	64	64	65	54	51	51	58	66	59	59	62	64	67	62	62.0
Belle Plaine	7	MAX	82	81	80	88	90	80	81	79	83	85	90	91	82	81	85	83	86	86	90	89	74	76	81	83	85	72	74	80	86	87	84	83.0
		MIN	62	66	64	68	60	59	56	62	64	67	71	70	67	62	60	61	66	65	68	66	55	52	56	60	65	55	57	60	64	67	62	62.5
Bellevue Lock & Dam 12	6	MAX	82	84	88	89	89	84	82	81	84	86	86	86	83	83	85	82	88	90	90	88	76	77	80	82	89	83	78	84	91	87	87	84.6
		MIN	61	64	71	72	70	60	58	58	65	66	66	71	72	61	61	64	64	70	68	69	57	53	53	62	70	60	60	66	65	68	67	64.3
Cedar Rapids Airport	24	MAX	83	80	88	89	80	81	79	82	84	88	89	82	81	83	80	84	85	88	87	74	74	79	81	85	77	76	80	85	87	84	80	82.4
		MIN	66	68	66	68	62	58	58	63	64	69	71	70	66	62	65	61	68	66	67	58	53	52	60	70	60	60	64	64	67	69	59	63.7
Cedar Rapids #1	17	MAX	85	82	90	90	90	83	80	84	86	90	92	89	82	85	83	87	86	92	89	80	78	82	83	88	82	76	83	88	86	82	81	85.0
		MIN	66	67	67	69	66	58	57	60	64	68	72	69	67	61	63	63	66	65	70	65	54	52	58	71	63	58	62	61	65	69	60	63.7
Clinton #1	18	MAX	82	84	87	88	86	80	79	83	83	88	86	82	83	83	81	84	86	87	87	85	74	78	81	86	84	77	82	86	84	84	77	83.1
		MIN	67	70	71	71	69	61	61	65	68	69	72	70	70	63	66	65	69	70	67	68	56	54	61	70	68	62	67	67	68	69	65	66.4
Coggon	6	MAX	82	82	82	88	87	80	80	79	82	84	88	86	80	82	84	80	85	85	89	83	77	74	79	81	86	76	73	79	86	83	84	82.1
		MIN	63	64	65	65	66	57	56	57	59	63	65	70	67	59	61	61	61	64	65	65	53	49	50	59	62	56	56	59	60	65	60	60.7
Davenport Airport	24	MAX	83	85	87	88	82	81	80	83	85	89	87	81	82	83	80	85	84	88	87	77	75	79	80	85	77	78	84	88	87	85	78	83.0
		MIN	66	69	69	69	64	60	58	63	63	67	70	70	65	61	65	63	67	69	69	59	54	51	61	71	63	61	68	64	68	67	56	64.2
Iowa City	7	MAX	82	84	83	89	90	83	81	80	84	86	90	91	84	84	84	82	87	86	89	89	76	76	80	81	86	77	77	83	88	86	84	83.9
		MIN	64	67	69	68	69	58	56	60	67	68	68	70	69	63	65	63	63	68	68	66	55	51	54	60	67	59	63	64	67	68	66	64.0
Iowa City Airport	24	MAX	83	82	88	90	83	81	80	83	85	89	90	84	83	83	82	85	85	89	89	75	75	81	81	86	78	77	83	87	88	84	80	83.5
		MIN	68	69	69	69	68	61	60	67	67	69	73	71	68	65	66	65	70	69	68	60	56	55	60	72	64	63	67	66	70	71	64	66.1
Le Claire L & D 14	6	MAX	83	82	86	90	89	82	81	82	84	86	91	89	82	82	85	79	86	85	90	89	78	77	81	81	88	79	79	86	85	85	86	84.1
		MIN	67	69	71	73	70	63	63	64	66	69	72	70	71	65	66	66	61	72	70	69	57	57	57	57	71	64	64	69	69	69	67	66.4
Lowden	24	MAX	85	86	89	90	83	81	81	83	85	89	89	83	83	85	82	87	85	91	90	76	76	80	82	87	79	78	84	87	87	88	79	84.2
		MIN	64	67	67	68	64	59	57	62	62	67	73	70	65	61	63	62	69	67	69	59	55	51	58	70	62	60	67	63	66	68	57	63.6
Maquoketa 4 W	7	MAX	79	82	84	87	88	81	79	79	82	84	88	86	82	81	83	79	85	86	89	87	74	74	79	80	86	78	75	82	86	86	85	82.5
		MIN	62	64	67	66	67	58	57	57	61	63	66	70	69	59	61	62	62	65	65	67	54	51	51	56	66	59	60	62	64	66	63	61.9
Muscatine	6	MAX	82	85	85	88	88	83	82	81	85	85	87	90	82	84	83	81	86	87	89	89	77	77	81	80	87	77	79	85	89	88	85	84.1
		MIN	67	71	71	68	70	61	60	60	67	67	70	70	69	64	65	64	65	70	69	69	58	55	53	61	66	63	66	68	70	70	67	65.6
Vinton	7	MAX	82	80	79	86	87	79	79	78	82	84	88	89	78	81	83	80	83	83	87	81	71	73	78	80	82	73	71	79	86	83	82	80.9
		MIN	62	66	66	67	62	58	56	60	61	65	67	67	65	60	61	61	65	63	67	63	53	51	53	59	61	56	57	60	62	66	58	61.2
Williamsburg 1 E	7	MAX	84	83	79	89	92	80	81	81	85	86	91	91	83	82	84	80	87	87	91	89	75	75	82	83	86	76	77	82	88	87	84	83.9
		MIN	62	67	66	67	68	59	57	58	63	68	71	70	66	64	64	62	62	67	68	66	55	53	54	61	66	59	61	63	66	67	63	63.3

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STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
			DAY OF MONTH																															
SOUTHWEST DIVISION																																		
Atlantic 1 NE	7	MAX	82	84	83	87	92	82	80	79	80	88	93	93	81	85	86	82	83	90	90	88	73	80	81	81	85	78	71	83	89	88	80	83.8
		MIN	68	64	64	65	64	60	63	57	58	68	73	68	59	59	58	58	64	64	69	62	51	51	61	63	55	54	56	60	60	66	63	61.5
Bedford	7	MAX	82	83	83	89	95	80	77	75	80	89	93	95	78	84	85	85	85	87	89	83	73	77	78	84	79	75	75	84	89	90	83	83.4
		MIN	62	67	67	70	67	62	64	63	65	68	72	68	62	63	63	64	64	67	69	64	54	57	65	64	64	61	60	63	67	67	69	64.6
Clarinda	6	MAX	80	81	82	85	90	79	76	75	79	86	90	91	77	83	81	80	83	84	86	85	70	77	78	81	77	74	72	81	86	85	78	81.0
		MIN	69	67	65	65	65	61	62	60	63	64	71	66	59	59	61	60	61	61	65	61	51	53	53	61	61	57	59	62	65	64	67	61.9
Glenwood	6	MAX	83	84	87	88	92	81	79	78	81	89	93	96	82	86	84	81	87	88	88	87	73	79	83	84	79	76	70	83	88	88	80	83.8
		MIN	67	67	68	68	67	65	65	62	62	68	74	70	59	59	56	60	64	65	70	63	54	54	62	63	58	58	60	64	64	66	67	63.5
Greenfield	8	MAX	83	83	82	86	91	80	77	75	78	85	91	92	81	83	83	80	81	87	87	86	72	77	79	78	79	75	70	81	86	85	80	81.7
		MIN	65	65	64	68	64	62	62	61	64	69	75	67	61	62	61	64	65	68	68	63	53	57	60	61	61	59	60	62	66	67	62	63.4
Oakland	7	MAX	82	83	87	86	91	79	79	79	80	89	93	93	82	85	85	82	84	87	88	88	71	79	81	81	81	76	69	83	88	88	79	83.2
		MIN	66	68	66	66	64	63	63	59	60	68	74	69	60	60	60	62	64	68	68	60	53	53	57	62	58	58	58	65	66	66	63	62.8
Red Oak	7	MAX	83	84	85	88	91	83	80	78	81	88	93	95	81	85	85	82	85	88	88	87	73	78	80	83	80	76	70	82	89	88	80	83.5
		MIN	69	69	68	69	67	64	65	61	64	67	77	69	60	61	62	62	65	67	69	63	53	53	60	62	61	59	60	64	65	68	67	64.2
Shenandoah	8	MAX	83	84	87	89	94	82	80	81	82	90	94	96	82	86	85	85	86	89	90	87	73	79	82	83	78	78	70	84	90	88	80	84.4
		MIN	69	70	68	71	67	64	65	62	62	70	77	68	61	62	62	62	68	70	63	62	54	57	64	62	62	60	62	66	67	68	67	64.9
Sidney 1 SSE	7	MAX	82	83	86	87	92	79	77	76	81	88	92	96	80	85	83	84	85	88	87	86	71	79	81	84	77	74	68	83	88	88	79	82.9
		MIN	67	69	67	68	65	63	63	62	63	70	74	67	60	62	62	62	64	66	68	59	54	54	58	59	60	59	59	65	66	66	66	63.5
SOUTH CENTRAL DIVISION																																		
Albia 3 NNE	7	MAX	82	75	77	86	92	80	77	77	81	85	90	90	81	82	83	79	84	84	88	86	73	74	79	80	83	75	76	82	86	83	79	81.6
		MIN	62	62	63	65	68	61	61	63	63	69	69	71	65	65	64	64	68	67	69	63	56	56	58	63	67	62	64	66	66	68	65	64.3
Allerton	8	MAX	84	74	80	86	94	80	79	76	82	86	92	91	80	82	82	79	85	86	90	88	75	77	80	78	83	76	76	82	87	86	81	82.5
		MIN	63	67	65	65	68	61	62	62	65	68	70	70	62	63	64	63	63	68	68	66	54	54	59	61	65	63	64	66	66	68	67	64.2
Beaconsfield	7	MAX	81	76	80	86	90	78	77	77	79	85	90	90	79	81	82	80	83	85	88	86	71	75	79	78	80	73	74	80	87	87	80	81.2
		MIN	64	66	65	65	65	61	62	61	64	68	71	71	62	62	62	64	65	66	67	65	54	55	55	60	63	60	60	66	66	67	65	63.5
Centerville	7	MAX	86	77	81	88	93	82	81	79	84	87	92	92	83	84	85	80	85	86	89	87	76	77	81	80	84	77	79	84	89	88	83	83.8
		MIN	61	65	65	66	71	61	61	62	65	69	69	72	65	64	63	61	61	68	69	66	53	53	56	62	68	64	65	67	69	70	68	64.5
Chariton 1 E	7	MAX	83	75	79	85	93	81	79	76	80	87	90	91	82	83	83	80	85	86	89	88	73	75	80	80	83	74	77	82	87	84	82	82.3
		MIN	59	65	61	62	68	57	56	57	62	66	67	71	63	61	62	60	60	67	66	66	54	54	57	62	64	57	63	63	62	69	65	62.1
Creston 2 SW	7	MAX	82	80	82	85	90	81	76	75	78	85	89	91	77	81	81	79	82	85	88	88	72	76	79	79	79	74	70	80	86	86	80	81.2
		MIN	62	67	66	67	65	63	63	63	66	66	72	69	61	62	62	63	64	66	68	63	53	57	59	62	62	61	62	64	65	67	64	63.7
Indianola 4 W	7	MAX	84	77	83	88	94	82	80	78	80	88	93	92	83	85	86	83	87	88	91	89	74	77	81	82	84	75	72	84	89	86	82	83.8
		MIN	69	68	64	67	65	58	60	59	66	69	76	71	63	63	61	63	66	70	70	67	53	57	60	63	65	58	60	63	67	67	64	64.3
Knoxville	8	MAX	82	77	78	86	94	79	78	78	79	88	91	90	82	82	83	81	85	86	90	88	73	75	81	81	84	73	75	82	87	83	82	82.4
		MIN	68	67	65	69	66	63	63	63	66	70	70	68	63	65	65	64	64	66	70	65	55	57	61	64	65	62	62	65	69	68	64	64.9
Lamoni	7	MAX	85	80	85	91	96	82	81	78	82	89	95	97	83	86	86	83	87	89	92	90	75	79	83	81	82	77	78	85	91	92	81	85.2
		MIN	67	67	69	69	69	63	63	65	65	71	75	71	64	65	65	66	68	69	71	67	57	57	59	62	65	63	62	68	68	69	68	66.0

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STATION	OBS TIME		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG
			DAY OF MONTH																															
Lamoni Airport	24	MAX	77	84	87	92	81	79	76	79	88	91	92	82	84	84	82	83	86	88	85	74	78	79	79	81	77	76	82	86	88	81	79	82.6
		MIN	67	69	65	73	63	61	62	62	67	72	69	68	62	63	63	65	68	69	67	58	54	58	61	63	62	61	66	67	68	67	60	64.5
Mount Ayr	8	MAX	81	79	81	86	91	78	78	74	78	86	89	92	78	84	81	78	83	86	88	85	71	72	79	78	78	76	75	82	88	89	81	81.5
		MIN	61	65	65	70	66	63	63	61	66	72	73	68	62	63	64	62	67	68	65	65	52	52	61	62	65	61	61	66	67	68	65	64.2
Osceola	8	MAX	85	75	82	90	95	82	80	78	81	90	93	94	82	86	85	82	86	89	92	89	74	79	82	82	85	75	76	84	90	88	81	84.3
		MIN	60	64	65	67	68	60	62	60	65	69	74	71	65	63	62	62	67	69	69	67	53	54	59	59	65	59	63	65	65	68	66	64.0
Rathbun Dam	7	MAX	82	76	78	86	94	80	80	80	80	87	89	91	82	83	83	78	86	85	89	87	79	77	81	79	82	76	76	83	87	87	82	82.7
		MIN	67	68	67	69	70	64	63	64	66	70	70	71	66	65	67	63	66	68	67	66	59	55	59	64	64	64	65	68	70	69	65	65.8
Winterset 1 S	7	MAX	82	73	84	86	91	78	78	75	77	86	91	90	83	82	84	82	85	87	89	88	71	77	80	78	81	75	71	85	87	85	81	82.0
		MIN	66	65	64	72	64	61	61	60	65	65	72	67	61	61	60	64	66	68	68	66	51	57	60	63	62	58	62	64	63	66	63	63.4
SOUTHEAST DIVISION																																		
Burlington Airport	24	MAX	81	82	88	90	82	80	81	83	85	90	89	83	82	83	80	84	86	87	87	77	75	80	81	86	81	79	85	88	90	82	83	83.5
		MIN	70	70	69	69	67	62	59	66	67	70	75	71	67	63	66	64	67	70	69	60	56	54	59	71	68	66	68	69	71	70	62	66.3
Donnellson	7	MAX	85	83	82	88	92	84	84	81	84	87	91	90	83	85	85	80	86	88	91	88	78	78	82	82	87	81	79	87	88	92	83	85.0
		MIN	67	70	70	69	70	60	61	64	67	69	73	72	68	65	66	66	67	68	70	68	58	55	59	60	68	66	65	67	69	69	69	66.3
Fairfield	8	MAX	82	80	80	86	91	80	78	78	82	85	89	90	82	81	82	78	85	86	89	88	75	75	80	80	87	77	78	84	88	88	80	82.7
		MIN	67	69	67	69	70	62	60	64	67	69	74	71	66	65	65	64	68	68	69	66	55	54	60	65	67	65	65	67	68	68	65	65.8
Fort Madison	24	MAX	81	81	87	93	84	82	81	83	86	89	90	84	85	83	79	84	86	87	86	79	77	79	79	86	81	79	84	87	89	83	83	83.8
		MIN	70	70	72	69	69	63	64	66	71	73	75	71	69	66	67	66	68	74	71	63	58	58	62	71	69	66	68	71	71	69	65	67.9
Keokuk Lock & Dam 19	6	MAX	84	83	82	87	91	83	79	79	82	86	90	92	86	82	86	77	85	87	89	88	77	77	82	81	88	78	78	87	88	89	80	84.0
		MIN	67	70	70	71	70	66	66	67	68	71	72	72	70	68	68	67	67	69	71	69	58	57	58	61	70	68	68	69	71	70	71	67.7
Keosauqua	7	MAX	84	85	84	88	92	82	83	81	84	85	88	90	83	81	84	83	87	87	89	88	76	77	81	82	83	79	78	84	90	89	83	84.2
		MIN	68	69	68	69	71	62	62	63	64	69	71	74	67	61	62	62	62	68	69	66	54	55	56	61	67	67	65	67	68	68	66	65.2
Mount Pleasant 1 SSW	7	MAX	82	80	80	86	89	82	79	79	82	84	88	88	80	81	81	78	83	85	87	86	75	74	79	79	85	80	79	84	87	88	83	82.4
		MIN	67	67	68	68	69	60	58	64	64	67	68	70	67	62	65	63	67	68	69	65	55	53	59	60	67	64	64	66	66	67	66	64.6
Oskaloosa	7	MAX	84	78	82	88	92	80	80	81	84	88	89	89	82	85	87	85	88	85	89	88	75	76	82	82	87	75	79	83	88	87	84	83.9
		MIN	66	66	64	68	67	60	61	63	64	69	70	69	64	64	65	65	66	67	72	66	55	56	60	63	65	61	63	65	66	67	66	64.6
Ottumwa Airport	24	MAX	78	80	86	91	80	81	79	82	85	90	89	82	83	84	81	85	86	88	87	75	75	80	81	85	78	77	83	86	87	82	79	82.7
		MIN	68	68	65	71	63	60	61	65	68	68	72	69	65	63	65	62	68	71	67	59	55	55	62	66	63	63	66	66	68	66	61	64.8
Sigourney	7	MAX	85	82	82	90	93	81	82	80	85	88	92	93	83	83	85	81	88	90	92	90	76	76	82	82	85	78	77	85	89	89	85	84.8
		MIN	66	68	67	67	67	61	61	63	63	68	71	70	64	65	65	64	64	64	69	64	53	54	57	60	66	62	62	62	67	67	62	64.0
Washington	7	MAX	81	82	80	87	90	83	82	79	82	86	89	90	84	85	82	80	85	86	89	88	78	77	80	81	85	80	77	85	88	87	85	83.6
		MIN	65	67	65	67	68	60	58	62	65	67	69	70	66	63	64	61	63	68	67	66	55	52	55	62	63	63	64	66	67	67	66	63.9
SUPPLEMENTAL STATIONS																																		
Moline Airport	24	MAX	85	86	89	89	85	84	82	85	86	90	89	82	83	84	81	86	85	89	88	78	77	80	82	87	81	80	85	89	87	86	82	84.6
		MIN	67	69	70	70	71	63	60	65	66	68	71	71	66	63	65	64	69	71	69	64	57	53	59	71	64	63	68	68	69	70	60	65.9
Omaha Eppley AP	24	MAX	87	92	90	97	84	81	81	82	91	97	99	84	88	87	83	85	90	91	88	75	81	85	86	84	78	71	84	91	88	81	83	85.9
		MIN	73	71	72	70	66	65	68	61	71	76	72	65	62	62	61	67	66	73	67	60	55	63	66	62	58	58	66	68	70	69	61	65.9
Sioux Falls WFO AP	24	MAX	81	87	87	82	80	83	82	81	90	94	81	82	83	85	84	89	89	92	72	74	80	88	75	76	75	75	77	89	85	85	84	82.8
		MIN	70	70	66	60	54	53	63	58	68	75	68	63	59	58	63	66	61	67	63	55	49	65	68	60	55	49	61	63	67	61	54	61.7

AUGUST 2016 — 'DAILY PRECIPITATION (INCHES) FOR THE 24 HOURS ENDING AT THE OBSERVATION TIME (OBS TIME) — IOWA CLIMATE REVIEW

STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
			DAY OF MONTH																														
NORTHWEST DIVISION																																	
Akron	7	2.21	0.22	0.15			T		T				0.53	0.73	0.13			0.14	T			0.11				0.20			T				
Cherokee	8	4.49	0.64	0.33									1.30	0.62				0.04	0.02			*0.07*	*0.05*			1.38			T			0.02	0.02
Emmetsburg	8	3.18											0.79	0.50							0.07	0.29	0.02			1.48			0.03				
Estherville Airport	24	2.38										T	1.00	0.49							T	0.09			0.55				0.24			0.01	
Estherville 4 E	7	2.36											0.63	0.32	0.46							T	0.10			0.60			0.25			T	
Everly 3 WNW	7	3.21	0.07	0.09									1.42	0.47		0.21						T				0.82			*0.12*	*T*		0.01	
Hawarden	7	3.76		1.40									0.99	0.73	0.10			0.06	0.03			0.09				0.34			0.02				
Le Mars	7	3.04	*0.50*	*0.07*									0.60	1.06				0.08				0.09				0.64							
Orange City	7	3.66	T	0.67			0.02		T	T			1.38	0.72	0.01	T			0.45			0.02	0.02			0.35			T	0.02			
Pocahontas	8	4.45		0.01									2.00	0.40							0.02	1.33	T			0.19			0.06			0.40	0.04
Primghar	16	2.48	0.12										1.20	0.27					0.12		0.02	0.01			0.57				0.17				
Remsen #2	6	3.90		0.81									1.36	1.02												0.62			0.09				
Rock Rapids	8	1.73	0.41	0.07									0.77	0.11								T				0.26			0.11				
Rock Valley	7	3.02		1.22	0.05		T						0.86	0.30								0.12				0.42			0.05				
Sanborn	8	3.00	*0.09*	*0.10*			0.22						1.10	0.47		0.21						0.07	0.02			0.63			0.09				
Sheldon	7	2.22	0.03	0.11	T		0.12						0.78	0.49		0.07			0.01			0.01	0.06			0.52			0.01	0.01			
Sibley	7	2.84	0.22	0.04	0.01		0.04						1.66	0.32		0.02						0.10	0.08			0.23			0.12				
Sioux Center 2 SE	16	3.62	1.09						T				1.52	0.34					0.13		T	0.05			0.42	T			0.07				
Sioux Rapids 4 E	22	5.07	0.11						0.01			0.05	2.62	0.21	0.02							0.32			1.65						T	0.08	
Spencer Airport	24	2.47	0.13			T			T			T	1.25	0.01		T					T	0.12			0.53	0.12			0.02			0.29	
Spencer 1 N	24	2.91	0.12	T									1.90	0.01							T	0.10			0.66	0.06						0.06	
Spirit Lake 4 W	24	2.56	0.05			T							1.55								T	0.10			0.66				0.20				
Storm Lake	8	6.86	0.48	0.01									1.22	1.81				0.21				0.36	0.01			1.29			0.02			1.44	0.01
Washta	7	M	0.07	0.52					T				M	M				0.54								*2.10*		T	T			*0.05*	T
NORTH CENTRAL DIVISION																																	
Algona 3 W	6	5.01					0.48						0.70	1.05	0.06	0.18			0.08		0.05	0.70				1.42			0.29			T	
Allison	7	6.26					1.85						0.08	1.25	0.08				T			2.75							*0.20*			*0.05*	
Britt	7	4.68					0.20						0.40	0.66	0.26						T	1.05	0.07			1.90			0.03	0.02		0.09	
Charles City	7	8.52					1.74						0.92	0.70	0.03				0.32		0.04	1.42	0.02			3.22			0.07			0.04	
Clarion	7	M			M		M						0.95	1.50	M				0.23		0.02	M	M			0.52			M			0.05	
Dakota City	8	3.69			0.02		0.12		T				1.02	0.76					0.07		0.02	1.35	0.07			0.02			0.03			0.19	0.02
Forest City 2 NNE	7	4.97					0.65						0.35	0.57	0.49				0.77		T	0.76	0.07			1.30			0.01			T	
Hampton	7	4.24					0.45						0.38	0.93	0.30				0.08			1.76							0.04			0.30	
Kanawha	8	4.16					0.13						0.21	0.83	0.14							*0.95*	*0.01*			1.74						0.15	
Lake Mills	7	7.28		T			0.46						0.32	0.52	0.40	0.01			1.48		0.02	0.23	0.26			3.53			0.05				
Mason City	7	5.88		0.04			0.73						0.24	0.88	0.47	0.02			0.35		0.04	0.96	0.04			2.00			0.05	0.03		0.03	
Mason City Airport	24	6.65	0.03	T		0.95				T			0.75	0.85	T		T	0.71	0.55		0.78	0.03			1.84			0.01	0.12		0.03	T	
Nashua 2 SW	7	7.32					2.15						1.05	0.91	0.04				0.10			1.40	0.03			1.45			0.13			0.06	
Northwood	7	M	M	M	M	M	M	M	M				0.45	0.42	0.52	M			0.04		0.11	0.74	0.13			4.55			0.19	0.25		0.03	
Osage	7	8.56					0.50						1.24	0.56	0.04				0.18		0.19	1.07	0.05			4.73			T			T	
Saint Ansgar	6	7.23					0.24						0.44	0.75	0.35				0.02		0.15	0.88	0.04			4.22			T	0.14			
Swea City 4 W	7	2.08			T					T			0.78	0.50	*0.03*				*T*		*T*	*0.04*	*0.12*			0.61			T				
NORTHEAST DIVISION																																	
Cascade	7	4.28					0.45							2.09	0.07		0.03		0.07		0.17	0.15	0.01			0.11			0.70		T	0.41	0.02	T
Cresco 1 NE	7	10.60		0.02			1.61						0.67	0.32	0.12				0.39		0.50	0.76	0.02			6.04	0.08		0.07				
Decorah	16	13.84				0.01	1.43						0.54	0.41	0.16				1.02		0.93	0.78				8.06			0.50				
Dubuque Lock & Dam 11	6	5.27					0.62							0.96	0.05				0.10		1.00	0.50				0.33	0.07		1.38	0.10		0.01	0.15
Dubuque Airport	24	3.75				0.67							1.30	0.26		T			0.08	0.38	0.23	0.11				0.13		0.05	0.54	T			
Elkader 6 SSW	7	8.81					1.10							1.16	0.50				0.70		3.20	0.13				1.18			0.70	0.14		T	
Fayette	7	6.02		0.16			1.26						0.05	0.94	0.88				0.67		0.74	0.57	0.07			0.06			0.33	0.29		T	
Guttenberg L & D 10	6	4.95					0.76							0.46	0.28				0.49		0.53	0.66	0.02			0.53	0.19		0.81	0.22			
Ionia 2 W	7	9.09					1.85						0.94	1.02	0.04				0.28		0.14	1.16	0.04			3.39			0.13			0.10	
Manchester #2	7	2.94					0.23							1.06	0.21				0.65		0.31	0.11	0.03			0.02	T		0.27	0.05	T	T	
New Hampton	8	10.14		0.10			1.55						1.30	0.82	0.01				0.56		0.10	*1.73*	*0.07*			3.65			0.20			0.05	
Oelwein 1 E	7	4.98					1.24			T			T	1.15	0.15				0.21		0.42	0.49				0.90			0.35	0.07		T	
Postville	7	8.45					1.76						0.09	1.67	0.17				0.29		0.94	0.80	0.08			2.36			0.23	0.06		T	
Stanley 4 W	7	3.84		T			0.94						*T*	*1.44*	0.03				0.40		0.08	0.56	0.01			T			0.23			0.15	

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STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
																	DAY OF MONTH																
Strawberry Point	7	5.13		T			0.95					T	T	1.29	0.26		T		0.48	T	0.96	0.21				0.31	T		0.40	0.20	0.06	0.01	
Tripoli	7	4.43		T			1.13			T			0.06	1.19	0.10				0.48		0.27	0.52	0.03				T		0.62	0.01		0.02	T
Waterloo Airport	24	5.22				1.59							1.44	0.11					0.21		1.45	0.06						0.32	0.02		0.02		
WEST CENTRAL DIVISION																																	
Audubon	8	5.60	0.98	2.10	0.03		T							1.47	0.01				T		0.04	0.42				0.10	T		0.21		0.07	0.17	T
Battle Creek 3 NE	8	3.15	0.98	0.09									0.42	1.01				0.22				0.16	0.05			0.06						0.10	0.06
Carroll	7	4.79	0.80	1.70	0.01				0.03				0.15	1.75				0.01				0.21				0.07			0.03	0.01			0.02
Castana Exp. Farm	8	3.71	0.06	0.55					0.11					1.73				*0.26*	*0.03*			0.23				0.25			0.05		0.23	0.21	
Denison	7	5.00	0.05	1.20	0.03				0.02				0.03	1.90				0.05	0.02		0.15	1.10	0.02			0.26			0.02		0.05	0.08	0.02
Guthrie Center	8	6.89	1.34	1.20	T		0.10						0.05	1.68							0.07	1.00				0.22			T		0.03	1.20	
Holly Springs 1 NW	7	4.65		0.21									0.21	2.76				0.25								0.50						0.62	0.10
Holstein	7	5.39		1.61									0.47	1.46				0.20			0.06	0.04	0.01			1.14						0.38	0.02
Little Sioux 2 NW	7	5.56	0.39	1.87					0.02	T				1.10				0.45	0.11			0.33				0.80			0.02	0.02	0.15	0.28	0.02
Logan	8	6.03		0.66			0.20		T	0.04			0.69	0.98				0.12	0.10			1.16				1.00			0.01		0.03	1.04	T
Mapleton #2	7	3.35	0.17	0.37						0.07			0.16	1.85				0.24	T		0.04	0.39							T	T		0.06	
Rockwell City	7	3.86		0.27									1.12	0.98		0.09		0.05			0.05	1.12	T			0.10			0.04			0.04	
Sac City	7	4.24	0.03	0.50									0.66	1.24				0.18				0.99				0.16			*0.05*			0.38	0.05
Sioux City Airport	24	5.05	0.11	0.42					T				1.58	T				0.35				T			2.45			T	T		0.12	0.02	
CENTRAL DIVISION																																	
Ames Airport	24	9.89	0.02	0.25		0.47			T			0.07	3.94	0.18					0.15		0.93	0.09				0.08		0.27			3.44		
Ames 8 WSW	16	8.23	0.04	0.35		0.01	0.73		0.01				1.35	4.40					0.13			0.69				0.32		0.02	0.04	0.01		0.13	
Ames 5 SE	6	8.33		0.03	0.83		0.71						0.37	3.38	T				0.10			1.17	0.02			0.06			0.21			1.45	T
Ankeny	8	8.91	T	0.75	0.10		0.15			T		T	1.61	2.65	0.70	0.01		T	0.13		T	1.73	0.01			0.23	0.14	T	0.14	T	0.03	0.53	T
Boone	8	7.90		0.92	0.02		0.17						0.71	4.71	T				0.19			0.94	0.01			0.13			0.02		0.08		
Brooklyn	7	6.82			0.47		2.08							2.48	0.02				0.12			0.14	T			0.06	1.18		0.02			0.25	
Clutier	7	5.68			0.11		1.89						0.26	2.19	0.24				0.10			0.36	0.09			0.18	0.02		0.13	T		0.11	
Des Moines Airport	24	5.64	0.34	0.73		0.05			T			0.47	1.00	0.43	0.08				0.04		0.33	0.37			T	0.70	T	0.06	T	0.42	0.62	T	
Des Moines Camp Dodge	24	7.54	0.17	0.45		0.18			T			1.34	2.05	0.27	0.03				T	T	1.33	0.14			T	0.90	T	0.14	T	T	0.54		
Eldora	7	8.09			0.10		0.47						1.33	1.30	0.09	0.01			0.07			3.38	0.05						0.29			0.97	0.03
Fort Dodge 5 NNW	7	9.01		0.05	0.05		0.50						1.60	3.05	0.01				0.50		T	2.80	0.05			0.05			0.10			0.25	T
Gilman	7	9.91			0.38		1.60						2.10	3.30	0.05				0.20			1.25	0.05			0.40	0.08		0.15		T	0.35	
Grinnell 3 SW	7	6.37			0.69		1.01						0.05	2.85	0.07				0.17	0.02		0.15	0.03			0.04	0.21	0.01	0.23		0.01	0.82	0.01
Grundy Center	8	6.89			0.05		1.08						0.81	1.35	0.50				0.25			1.75				T			0.53			0.57	
Iowa Falls	7	6.83			0.03		0.58						0.74	1.59	0.27				0.03		T	2.30	0.02			T	T		0.17		T	1.06	0.04
Marshalltown	7	6.99			0.21		1.40						0.24	2.52	0.03	0.25			0.12			1.60	0.03			0.03	0.02		0.49			0.05	T
Marshalltown Airport	24	8.09		0.17		1.31						T	3.84	0.22	0.13	T			0.12		1.57	0.12			T	0.03	T	0.54	0.01		0.02	0.01	
Montezuma 1 W	7	7.40			0.44		1.92							2.72	T				0.10			0.45	0.02			0.15	0.97		0.18		0.02	0.43	T
Newton	7	5.64			1.00		0.59						0.16	1.90	0.02				0.67			0.80				0.24	0.12		0.12			0.02	
Perry	7	6.33		1.01	0.03		1.16			T			0.52	2.53	0.02						0.02	0.47	T			0.46			0.05		T	0.06	
Toledo 3 N	7	5.82			0.18		1.33						0.17	2.42	0.28				0.10			0.91	0.04			0.22	T	T	0.09			0.08	
Webster City	7	5.86			0.20		0.23						1.08	1.93					0.71			1.43	T			T			0.03			0.05	0.20
Zearing	7	7.97			0.16		1.52						0.96	1.62		0.12			0.31			2.78							0.38			0.12	
EAST CENTRAL DIVISION																																	
Anamosa 3 SSW	6	5.73		T			1.35							2.05	0.01				0.02			0.34	0.03			1.05	0.08		0.78	0.02			T
Belle Plaine	7	6.01			0.10		1.80						T	3.20	0.02				0.18			0.16	0.08			0.05	0.03		0.10		0.03	0.26	T
Bellevue Lock & Dam 12	6	5.24					0.70							2.60	0.06					0.02	0.67	0.30	0.02			0.20	0.02		0.40	0.01		0.24	
Cedar Rapids Airport	24	7.68	T	T		1.28					T		4.91	0.16					0.08		0.16	0.07				0.55		0.02	0.38	T	0.05	0.02	
Cedar Rapids #1	17	7.74					1.21						0.11	4.21					0.04		0.05	0.15				1.33	0.04		0.58			0.02	
Clinton #1	18	8.62					1.00						0.10	2.95	0.02		0.04			0.45	0.52	1.45				0.58	0.37		0.30	0.29	0.24	0.31	
Coggon	6	7.65		0.02			2.12							3.89	0.06				0.08			0.24				0.14			0.48		0.16	0.46	
Davenport Airport	24	9.73	0.01			0.78					0.05		3.36	1.10			0.01		0.19	T		0.69				2.08	0.02	0.04	0.11	0.17	0.17	0.95	
De Witt	8	10.63					1.82							4.25	0.03					0.11		1.16	0.07			0.57	0.22		0.28		0.30	1.82	
Iowa City	7	7.12					0.87					0.01		3.47	0.08				0.01	0.04		0.63	0.04			0.21	0.57		0.06		0.70	0.33	0.10
Iowa City Airport	24	6.16		T		M			T		0.01		2.62	0.20					0.08		0.22	0.24			T	0.77	T	0.02	0.13	1.64	0.04	0.19	
Le Claire L & D 14	6	9.24					0.95							3.50	0.30			0.14				0.78				*1.50*	*0.95*		0.41	0.05	0.04	0.18	0.44
Lowden	24	9.91				1.66							4.25	0.79			T		0.02		0.01	0.51				1.21		0.02	0.01	1.37	T	0.06	
Maquoketa 4 W	7	5.77					1.32				T			2.51	0.18						0.22	0.37	0.03			1.00	0.11		0.03	T		T	T

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STATION	OBS TIME	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Monticello	7	5.59					0.37							2.73	0.02		0.03		0.04		0.06	0.45				0.32			0.94	0.05	0.48	0.10	
Muscatine	6	8.09					1.24					0.02		2.27	0.04							0.70				0.98	1.59	0.02	0.05	0.01	0.11	1.00	0.06
Muscatine 2 N	5	8.06					1.22							2.15	0.23			0.02		T		0.65	0.03			1.25	1.04	0.02	0.03		1.12	0.25	0.05
Swisher	7	9.76					1.08					*0.02*		*6.99*	*0.06*				0.06	0.04		0.28	0.03			0.16	0.28		0.55	0.04	0.01	0.16	
Vinton	7	9.60					1.71							6.25	0.15				0.25		0.01	0.74				0.02	0.03		0.36			0.07	0.01
Williamsburg 1 E	7	9.61			0.14		2.00							3.70	0.10				0.10	0.08		0.47	0.01			0.43	1.53	0.02	0.68		0.15	0.20	
SOUTHWEST DIVISION																																	
Atlantic 1 NE	7	4.52	0.13	0.73	0.03		0.01							1.45					0.35			0.23				0.71	0.02	T	0.04		0.01	0.80	0.01
Bedford	7	7.15	0.18	0.38	0.02		0.40	T						2.65	0.10							0.41				0.96	0.06	0.15	0.27	T	0.22	1.22	0.13
Clarinda	6	7.58	0.05	0.41			0.64	0.05						2.90	0.48				0.14			0.47				0.93	0.05	0.16	0.15		0.05	0.95	0.15
Glenwood	6	5.37	0.12	0.32										1.65								1.53				1.27	0.03		T			0.45	
Greenfield	8	8.81	3.74	0.96										0.92	0.04				0.30			1.20				0.51	0.90	0.02	0.10		0.10	0.02	
Hastings 4 NE	8	3.56		0.09										1.42								0.43				0.98	0.12	0.01	0.02		0.05	0.44	T
Oakland	7	6.10	0.05	0.13	0.08		0.01		T					2.37					0.26			0.31				1.16	0.02		0.04		T	1.67	T
Randolph	8	8.47		0.26			0.06							4.23								0.52				1.10	1.00				0.10	1.20	T
Red Oak	7	5.17	0.09	0.28	T					T				2.34	0.08							0.42				0.80	0.71	0.05	0.01	T	0.11	0.28	T
Shenandoah	8	9.55		0.13			0.39							4.15								0.52				1.60	0.03	0.16	0.05		0.05	2.41	0.06
Sidney 1 SSE	7	9.43		0.02			0.44			T	T		T	3.76	T							1.85				1.15	0.07	0.12	0.02		0.17	1.83	T
Underwood	7	3.51		0.33	T		0.26							0.66				T	0.16			0.44				0.78	T		T			0.88	T
SOUTH CENTRAL DIVISION																																	
Albia 3 NNE	7	5.76		0.07	2.05		0.01						0.05	0.73	0.18				0.30			0.68	0.02			0.10	0.47	0.08	0.22			0.80	
Allerton	8	4.07	T	0.56	0.05		0.03							0.86	0.31				0.09			*0.29*	*0.01*			0.21	0.04	0.29	0.42	0.03	0.05	0.57	0.26
Beaconsfield	7	7.26	1.83	0.72	0.04		0.55							0.80	0.21							0.10				0.30	0.07	0.19	0.81		0.23	1.23	0.18
Centerville	7	7.69		0.51	2.36		0.01							2.42	0.05				0.10			0.10				0.19	0.30	0.34	0.30			0.63	0.38
Chariton 1 E	7	4.19		0.48	0.05								0.02	0.56	0.72							0.25	0.05			0.43	0.27	0.55	0.57			0.22	0.02
Creston 2 SW	7	7.96	1.74	2.00										1.96	0.10							0.40				0.94		0.03	0.13	T	*0.43*	0.23	
Indianola 4 W	7	5.73		0.40	0.06		0.01						0.17	1.15	T				0.20			0.65				0.10	2.61	0.02	0.15		0.01	0.15	0.05
Knoxville	8	5.07		0.63	0.24		0.39						0.08	1.04	0.05	0.04			0.85			0.70	T			0.04	0.30	0.06	0.35		0.06	0.23	0.01
Lamoni	7	6.28	2.00	0.71	0.10		0.10							0.94	0.13							0.63	T			0.66	0.06	0.39	0.36	0.01	0.07	0.07	0.05
Lamoni Airport	24	5.88	2.45	0.02			0.04		T				0.34	0.59					0.06		0.76				T	0.77	0.29	0.46	0.04	0.03	T	0.03	T
Lorimor	8	7.03	1.70	0.74										1.90	0.07				0.33			0.25				0.60	0.14	0.01	0.20		0.05	1.04	
Mount Ayr	8	9.16	4.25	0.25			0.33							1.90								0.15				0.54	0.15	0.60	0.45	0.02	0.05	0.25	0.22
Osceola	8	3.24	0.08	0.34			T						0.12	0.97	0.04				0.22			0.10	0.06			0.17	0.04	0.12	0.28		0.07	0.63	T
Pella 1 S	7	6.17		0.15	1.21		0.63						0.03	1.37	0.07				0.55			0.35	0.01			0.19	0.86	0.05	0.58		0.02	0.10	
Rathbun Dam	7	5.65		0.51	1.85		0.30						0.10	1.13	0.05				0.06			0.16				0.18	0.08	0.30	0.33	0.04	0.02	0.46	0.08
Winterset 1 S	7	4.66	T	0.56	T		0.10			T				1.43	0.01				0.06			0.73				0.15	1.35	T	0.20	T	0.05	0.02	T
SOUTHEAST DIVISION																																	
Bloomfield 1 WNW	7	6.75		1.91	1.06		1.26							*1.09*	*0.05*				0.15			*0.14*				0.05	0.30	0.25	*0.22*			0.17	0.10
Brighton	7	7.48			0.19		2.82			T	0.02			2.77					0.06	0.03		0.89	0.02				0.36	0.06				*0.26*	
Burlington Airport	24	5.03		0.19		1.96	0.13				0.01		0.38	1.05								0.33				0.49	0.22	0.13	0.14			T	
Donnellson	7	7.31			0.38		1.44							2.86	0.53					0.01		0.68				0.13	0.45	0.18	0.65				
Fairfield	8	9.27		T	0.29		3.05				T			3.52	0.02				0.06	T		0.96	0.05			T	0.10	0.07	0.33		0.76	0.06	
Fort Madison	24	5.84		0.27		1.01	0.65						0.54	1.98		T					0.26	0.22				0.16	0.54	0.11	0.10				
Keokuk Lock & Dam 19	6	4.98			0.54		1.60							0.82	0.05			0.03				0.63				0.18	0.54	0.07	0.48				0.04
Keosauqua	7	6.12			*0.50*		1.90							*2.08*	*0.07*					0.02		0.50				T	0.34	0.24	0.35			0.12	
Mount Pleasant 1 SSW	7	8.40			0.50		2.00							2.00	0.20					0.03		1.45	0.15			0.45	0.35	0.07	0.10			1.00	0.10
Oskaloosa	7	5.95		0.03	0.54		0.55							0.61	0.12				0.62			0.45				0.32	0.58	0.06	0.18			1.81	0.08
Ottumwa Airport	24	5.81		0.84		0.24			T		T		0.79	0.35				T	0.15		0.48	0.10			T	0.36	0.43	0.37	T	0.03	1.45	0.22	
Salem 1 S	7	6.12			0.34		2.30				0.01			1.68	0.04							0.95				0.11	0.48	0.10	0.10			0.01	
Sigourney	7	6.74			0.45		1.82	T						1.92	T				0.09	0.02		0.52				0.08	0.18	T	0.24		0.12	1.20	0.10
Wapello	6	M			0.03		1.55							2.75	M							M				M	M	M	M	M	M	M	M
Washington	7	6.58			0.14		2.25				T			1.64	0.02		0.07		0.03	0.05		0.61				0.25	1.20	T	0.05		0.04	0.22	0.01
SUPPLEMENTAL STATIONS																																	
Moline Airport	24	8.07	0.04			0.76	T				0.02		1.71	1.55			0.05		T			0.94				1.48	0.04	0.36	0.18	0.02	0.05	0.87	
Omaha Eppley AP	24	5.78	T	0.33		T		T				0.04	1.32	T				0.38		T	1.30	0.06			1.20	T		0.02			1.13	T	
Sioux Falls WFO AP	24	2.32	0.01			T							1.04	0.44			T			T	0.07	0.12			T				0.64				

AUGUST 2016	STATION INDEX					IOWA CLIMATE REVIEW			
			COORDINATES						ELEV
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)
			DEG	MIN	SEC	DEG	MIN	SEC	
Akron	NW	Plymouth	42	49	37	96	33	21	1125
Albia 3 NNE	SC	Monroe	41	3	56	92	47	12	890
Algona 3 W	NC	Kossuth	43	4	6	94	18	19	1230
Allerton	SC	Wayne	40	42	15	93	22	11	1110
Allison	NC	Butler	42	45	13	92	48	8	1048
Ames Airport	C	Story	41	59	26	93	37	8	955
Ames 8 WSW	C	Boone	42	1	15	93	46	27	1099
Ames 5 SE	C	Story	41	57	7	93	33	56	870
Anamosa 3 SSW	EC	Jones	42	5	35	91	18	7	906
Ankeny	C	Polk	41	43	6	93	34	27	940
Atlantic 1 NE	SW	Cass	41	25	3	95	0	14	1148
Audubon	WC	Audubon	41	42	25	94	55	20	1280
Battle Creek 3 NE	WC	Ida	42	22	12	95	34	30	1380
Beaconsfield	SC	Ringgold	40	48	25	94	2	51	1215
Bedford	SW	Taylor	40	40	27	94	43	28	1190
Belle Plaine	EC	Benton	41	52	53	92	16	35	810
Bellevue L & D 12	EC	Jackson	42	15	40	90	25	23	603
Bloomfield 1 WNW	SE	Davis	40	45	35	92	26	22	812
Boone	C	Boone	42	2	30	93	53	26	1035
Brighton	SE	Washington	41	10	33	91	49	6	609
Britt	NC	Hancock	43	6	6	93	48	5	1240
Brooklyn	C	Poweshiek	41	44	22	92	26	24	910
Burlington Airport	SE	Des Moines	40	46	51	91	7	9	692
Carroll	WC	Carroll	42	3	54	94	51	0	1227
Cascade	NE	Dubuque	42	17	56	90	59	54	870
Castana Exp. Farm	WC	Monona	42	3	48	95	50	11	1450
Cedar Rapids Airport	EC	Linn	41	53	0	91	43	0	868
Cedar Rapids #1	EC	Linn	42	3	0	91	35	17	810
Centerville	SC	Appanoose	40	44	11	92	52	9	980
Chariton 1 E	SC	Lucas	41	0	59	93	16	45	940
Charles City	NC	Floyd	43	3	37	92	40	18	993
Cherokee	NW	Cherokee	42	45	26	95	32	16	1180
Clarinda	SW	Page	40	43	28	95	1	19	980
Clarion	NC	Wright	42	43	12	93	44	1	1156
Clinton #1	EC	Clinton	41	47	41	90	15	50	594
Clutier	C	Tama	42	4	48	92	24	18	900
Coggon	EC	Linn	42	16	45	91	31	30	903
Cresco 1 NE	NE	Howard	43	23	22	92	5	38	1255
Creston 2 SW	SC	Union	41	2	14	94	23	39	1320
Dakota City	NC	Humboldt	42	43	32	94	11	43	1110

AUGUST 2016	STATION INDEX					IOWA CLIMATE REVIEW			
			COORDINATES						ELEV
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)
			DEG	MIN	SEC	DEG	MIN	SEC	
Davenport Airport	EC	Scott	41	36	42	90	34	54	748
Decorah	NE	Winneshiek	43	18	15	91	47	43	860
Denison	WC	Crawford	42	2	11	95	19	44	1401
Des Moines Airport	C	Polk	41	32	2	93	39	11	957
Des Moines Camp Dodge	C	Polk	41	44	12	93	43	25	959
De Witt	EC	Clinton	41	48	39	90	32	26	685
Donnellson	SE	Lee	40	38	45	91	33	50	705
Dubuque L & D 11	NE	Dubuque	42	32	24	90	38	46	620
Dubuque Airport	NE	Dubuque	42	23	52	90	42	13	1056
Eldora	C	Hardin	42	21	55	93	5	50	1144
Elkader 6 SSW	NE	Clayton	42	46	31	91	27	13	788
Emmetsburg	NW	Palo Alto	43	6	9	94	41	0	1260
Estherville Airport	NW	Emmet	43	24	4	94	44	50	1317
Estherville 4 E	NW	Emmet	43	24	13	94	44	50	1320
Everly 3 WNW	NW	Clay	43	11	0	95	22	59	1365
Fairfield	SE	Jefferson	41	1	16	91	57	19	746
Fayette	NE	Fayette	42	51	1	91	48	57	1130
Forest City 2 NNE	NC	Winnebago	43	17	4	93	37	50	1276
Fort Dodge 5 NNW	C	Webster	42	35	1	94	12	2	1140
Fort Madison	SE	Lee	40	37	16	91	19	34	530
Gilman	C	Marshall	41	52	41	92	46	43	1040
Glenwood	SW	Mills	41	3	6	95	44	57	1060
Greenfield	SW	Adair	41	17	53	94	27	22	1330
Grinnell 3 SW	C	Poweshiek	41	43	13	92	44	56	912
Grundy Center	C	Grundy	42	21	53	92	45	34	1045
Guthrie Center	WC	Guthrie	41	40	7	94	29	50	1075
Guttenberg L & D 10	NE	Clayton	42	47	9	91	5	45	618
Hampton	NC	Franklin	42	45	22	93	12	4	1230
Harlan 1 ESE	WC	Shelby							
Hastings 4 NE	SW	Mills	41	4	38	95	28	48	1050
Hawarden	NW	Sioux	43	0	11	96	29	6	1190
Holly Springs 1 NW	WC	Woodbury	42	16	49	96	5	46	1100
Holstein	WC	Ida	42	29	23	95	32	56	1370
Indianola 4 W	SC	Warren	41	21	56	93	38	53	942
Ionia 2 W	NE	Chickasaw	43	2	1	92	30	6	1019
Iowa City	EC	Johnson	41	36	33	91	30	18	640
Iowa City Airport	EC	Johnson	41	37	58	91	32	35	668
Iowa Falls	C	Hardin	42	31	8	93	15	13	1051
Jefferson 2 NW	WC	Greene							
Kanawha	NC	Hancock	42	55	52	93	47	36	1185

AUGUST 2016	STATION INDEX					IOWA CLIMATE REVIEW			
			COORDINATES						ELEV
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)
			DEG	MIN	SEC	DEG	MIN	SEC	
Keokuk L & D 19	SE	Lee	40	23	48	91	22	30	527
Keosauqua	SE	Van Buren	40	43	39	91	58	6	592
Knoxville	SC	Marion	41	19	29	93	6	3	915
Lake Mills	NC	Winnebago	43	25	4	93	32	5	1260
Lamoni	SC	Decatur	40	37	24	93	57	3	1128
Lamoni Airport	SC	Decatur	40	37	50	93	54	3	1135
Le Claire L & D 14	EC	Scott	41	34	29	90	24	2	577
Le Mars	NW	Plymouth	42	46	54	96	8	45	1320
Little Sioux 2 NW	WC	Harrison	41	49	35	96	3	2	1025
Logan	WC	Harrison	41	38	17	95	47	18	1030
Lorimor	SC	Union	41	7	29	94	3	5	1230
Lowden	EC	Cedar	41	51	23	90	55	48	715
Manchester #2	NE	Delaware	42	28	24	91	27	6	990
Mapleton #2	WC	Monona	42	9	43	95	47	1	1200
Maquoketa 4 W	EC	Jackson	42	2	58	90	44	56	782
Marshalltown	C	Marshall	42	3	53	92	55	28	871
Marshalltown Airport	C	Marshall	42	6	38	92	54	58	974
Mason City	NC	Cerro Gordo	43	9	47	93	11	43	1105
Mason City Airport	NC	Cerro Gordo	43	9	16	93	19	37	1225
Moline Airport		Rock Island,IL	41	27	55	90	31	24	592
Montezuma 1 W	C	Poweshiek	41	35	1	92	32	59	965
Monticello	EC	Jones	42	14	28	91	10	24	820
Mount Ayr	SC	Ringgold	40	42	19	94	14	34	1180
Mount Pleasant 1 SSW	SE	Henry	40	56	55	91	33	53	730
Muscatine	EC	Muscatine	41	24	27	91	4	22	549
Muscatine 2 N	EC	Muscatine	41	28	17	91	3	47	680
Nashua 2 SW	NC	Floyd	42	56	13	92	34	13	1059
New Hampton	NE	Chickasaw	43	2	43	92	18	44	1148
Newton	C	Jasper	41	42	42	93	1	47	960
Northwood	NC	Worth	43	26	19	93	13	31	1190
Oakland	SW	Pottawattamie	41	18	16	95	23	4	1260
Oelwein 1 E	NE	Fayette	42	40	48	91	52	30	1165
Omaha Eppley Airport		Douglas, NE	41	18	37	95	53	57	982
Orange City	NW	Sioux	43	0	2	96	3	14	1380
Osage	NC	Mitchell	43	16	46	92	48	38	1170
Osceola	SC	Clarke	41	1	10	93	45	1	1028
Oskaloosa	SE	Mahaska	41	19	17	92	38	48	830
Ottumwa Airport	SE	Wapello	41	6	28	92	26	48	842
Pella 1 S	SC	Marion	41	22	34	92	55	13	780
Perry	C	Dallas	41	50	22	94	6	38	965
Pocahontas	NW	Pocahontas	42	43	45	94	39	41	1212

AUGUST 2016	STATION INDEX					IOWA CLIMATE REVIEW			
			COORDINATES						ELEV
STATION NAME	DIV	COUNTY	LATITUDE			LONGITUDE			(FT)
			DEG	MIN	SEC	DEG	MIN	SEC	
Postville	NE	Allamakee	43	5	24	91	33	29	1165
Primghar	NW	O' Brien	43	5	11	95	37	45	1520
Randolph	SW	Fremont	40	52	28	95	34	0	980
Rathbun Dam	SC	Appanoose	40	49	30	92	53	33	965
Red Oak	SW	Montgomery	41	0	13	95	14	31	1040
Remsen #2	NW	Plymouth	42	48	37	95	58	30	1330
Rock Rapids	NW	Lyon	43	25	48	96	10	7	1347
Rock Valley	NW	Sioux	43	12	16	96	18	22	1246
Rockwell City	WC	Calhoun	42	23	49	94	37	45	1224
Sac City	WC	Sac	42	25	10	94	58	34	1210
Saint Ansgar	NC	Mitchell	43	22	54	92	55	24	1139
Salem 1 S	SE	Henry	40	50	8	91	37	20	650
Sanborn	NW	O' Brien	43	10	45	95	39	37	1551
Sheldon	NW	O' Brien	43	10	51	95	51	10	1420
Shenandoah	SW	Page	40	46	2	95	22	48	975
Sibley	NW	Osceola	43	24	17	95	44	54	1529
Sidney 1 SSE	SW	Fremont	40	44	10	95	38	35	1140
Sigourney	SE	Keokuk	41	20	11	92	12	16	800
Sioux Center 2 SE	NW	Sioux	43	3	21	96	9	9	1360
Sioux City Airport	WC	Woodbury	42	23	29	96	22	45	1095
Sioux Falls		Minnehaha,SD	43	34	40	96	45	14	1428
Sioux Rapids 4 E	NW	Buena Vista	42	53	35	95	3	55	1420
Spener Airport	NW	Clay	43	9	52	95	12	6	1338
Spencer 1 N	NW	Clay	43	9	55	95	8	48	1326
Spirit Lake 4 W	NW	Dickinson	43	25	53	95	10	56	1430
Stanley 3 WSW	NE	Buchanan	42	38	0	91	51	48	1114
Storm Lake	NW	Buena Vista	42	38	49	95	11	36	1442
Strawberry Point	NE	Clayton	42	41	7	91	31	57	1200
Swea City 4 W	NC	Kossuth	43	24	8	94	22	59	1239
Swisher	EC	Johnson	41	50	59	91	40	35	790
Toledo 3 N	C	Tama	42	2	8	92	34	50	949
Tripoli	NE	Bremer	42	48	45	92	15	27	960
Underwood	SW	Pottawattamie	41	23	22	95	40	52	1080
Vinton	EC	Benton	42	10	13	92	0	28	850
Wapello	SE	Louisa	41	10	50	91	11	48	580
Washington	SE	Washington	41	16	57	91	42	28	687
Washta	NW	Cherokee	42	34	26	95	43	48	1160
Waterloo Airport	NE	Black Hawk	42	33	16	92	24	4	868
Webster City	C	Hamilton	42	28	7	93	47	50	1170
Williamsburg 1 E	EC	Iowa	41	39	54	91	59	52	810
Winterset 1 S	SC	Madison	41	18	22	94	1	6	1104
Zearing	C	Story	42	10	1	93	18	35	1116

REFERENCE NOTES

DEFINITIONS

STATION NAMES: Name of the city or locality. Figures and letters following the station name indicate the distance and direction from the post office or town community center.

NORMALS: The average of the meteorological element over the period from 1981 to 2010. Normals are calculated by the National Climatic Data Center and are revised once every 10 years. The precipitation and snowfall normals are strictly an average of the values recorded during the 1981-2010 period. However, temperature and degree day normals may have been adjusted to better correspond to the current (as of 2010) temperature measurement practice and thus may vary slightly from the average of the original 30-year values.

DEGREE DAYS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature [average of the daily maximum and minimum air temperature] is BELOW (ABOVE) 65°F. Degree days are used to provide a measure of the effect of temperature upon energy consumption for heating or cooling of homes or buildings. The greater the heating (cooling) degree day total, the greater the amount of energy needed to heat (cool) your home or building.

PRECIPITATION: Values shown in hundredths of an inch are water equivalent totals, i.e., total of liquid (rain) and melted frozen (snow, sleet, hail) precipitation. The snowfall data tables include the unmelted depth of snow and sleet in tenths of an inch. The depth of snow on the ground (SN ON GROUND) refers to the depth of all snow or ice (new or old). This 'Snow on Ground' value is the depth of snow on the ground at the time of the precipitation observation at all stations *except*: Burlington, Davenport, Des Moines, Dubuque, Mason City, Moline, Omaha, Ottumwa, Sioux City and Sioux Falls Airports where the snow depth is measured at 6 a.m. CST while the new snowfall is that for the 24 hour period ending at midnight. Daily precipitation and snowfall amounts are for the 24 hours ending at the time of observation (given in the 'OBS TIME' column). An asterisk in the daily precipitation table indicates that the rain gage was not read that day. A multi-day precipitation total is included in the amount immediately following the asterisks.

TEMPERATURE: The daily maximum (MAX) and minimum (MIN) temperatures are recorded for the 24 hours ending at the time of observation. The significance of the time of observation in interpreting these data is discussed in the preceding paragraph.

TIME OF OBSERVATION: At most locations measurements of temperature and precipitation are made only once daily at the same hour of the day. This time is referred to as the 'Time of Observation' and is given in the 'OBS TIME' column of the data tables. All observations, unless otherwise noted, are for the 24 hour period ending at the time of observation. Note that in most cases the resulting data are not for calendar day (i.e., midnight-to-midnight) periods and further that the temperature observations may be made at a different time than the precipitation observation at the same station. See the PRECIPITATION paragraph in this section for a further explanation of the significance of the time of observation. All times are expressed on a 24-hour clock (i.e., 7 a.m. = 7; 5 p.m. = 17; midnight = 24, etc.).

SYMBOLS USED IN THE DAILY AND MONTHLY DATA TABLES.

'____' Underlined data in the daily temperature, precipitation and snowfall tables indicates that the data in question has been estimated. Estimated data are provided when the original measurements are not available or are of suspect accuracy.

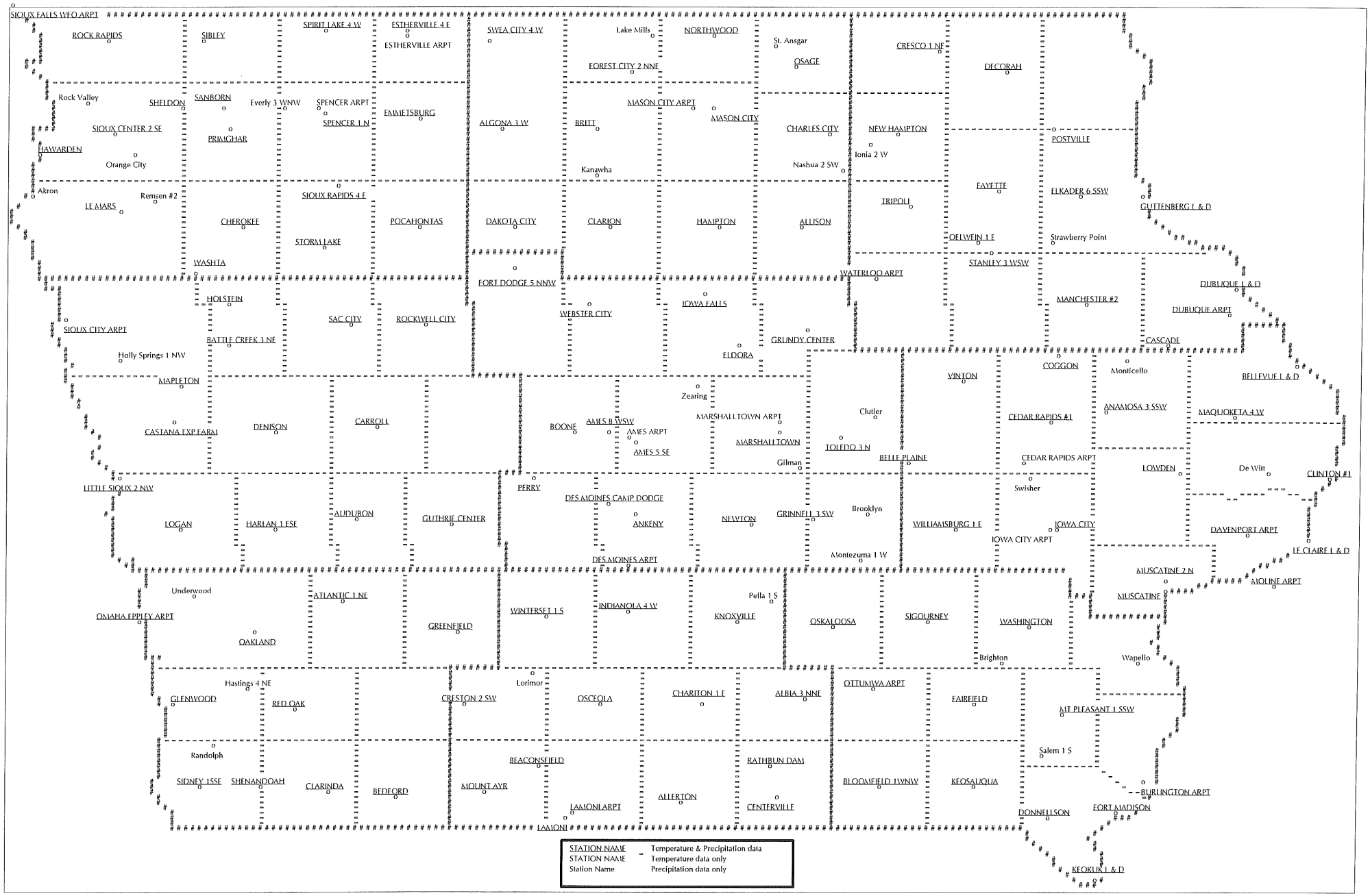
ITALICS. Data given in italics in the daily precipitation or snowfall tables indicate that the date on which the precipitation was reported has been changed from what was given on the original reports.

'+' A plus sign in the monthly summarized data tables indicates that the temperature or precipitation extreme given also occurred on one of more earlier dates during the month.

BLANK ENTRIES: Blank entries in the monthly summarized data table indicates that no data are available. Blank entries in the daily precipitation and snowfall data tables indicates that no precipitation was recorded. M = missing, no data recorded.

ABBREVIATIONS:

TMP DEP NOR:	Temperature departure from the 1981-2010 normal.
EXT MAX:	Extreme maximum temperature for the month and the day on which it was measured.
EXT MIN:	Extreme minimum temperature for the month and the day on which it was measured.
MAX 90+:	Number of days with maximum temperatures which were greater than or equal to 90°F.
MAX 32-:	Number of days with maximum temperatures which were less than or equal to 32°F.
MIN 32-:	Number of days with minimum temperatures which were less than or equal to 32°F.
MIN 0°:	Number of days with minimum temperatures which were less than or equal to 0°F.
16/16 SEAS:	2016-2017 season (July 1, 2016 through the end of the published month).
NOR SEAS:	Normal number of degree days through the end of the published month.
DEP NORM:	Monthly precipitation total departure from 1981-2010 normal.
EXT DAY:	Extreme one-day precipitation amount and the day on which it occurred.
.01+:	Number of days with precipitation of 0.01 inch or greater.
.10+:	Number of days with precipitation of 0.10 inch or greater.
1.00+:	Number of days with precipitation of 1.00 inch or greater.
MAX ON GRD:	Maximum depth of accumulated snow on the ground (inches) and the day on which it was measured.
OBS TIME:	Observation Time: The time (24-hour clock) at which the daily temperature and/or precipitation measurement is made (7 = 7 a.m.; 17 = 5 p.m.; 24 = midnight).
DIV:	Climate Division: NW = northwest, NC = north central, etc.
LAT:	Latitude in degrees and minutes north.
LON:	Longitude in degrees and minutes west.
T:	Trace: < 0.005" of precipitation; < 0.05" snowfall or <0.5" snow on ground.


SIOUX FALLS WFO ARPT
ROCK RAPIDS
SIBLEY
SPIRIT LAKE 4 W
ESTHERVILLE 4 E
ESTHERVILLE ARPT
SWEA CITY 4 W
Lake Mills
NORTHWOOD
St. Ansgar
OSAGE
CRESCO 1 NE
DECORAH
FOREST CITY 2 NNE
Rock Valley
SHELDON
SANBORN
Everly 3 WNW
SPENCER ARPT
SPENCER 1 N
EMMETSBURG
ALGONA 3 W
MASON CITY ARPT
MASON CITY
BRITT
CHARLES CITY
NEW HAMPTON
POSTVILLE
SIOUX CENTER 2 SE
PRIMGHAR
HAWARDEN
Orange City
Ionia 2 W
Kanawha
Nashua 2 SW
Akron
Remsen #2
LE MARS
SIOUX RAPIDS 4 E
TRIPOLI
FAYETTE
ELKADER 6 SSW
GUTTENBERG 1 & D
CHEROKEE
POCAHONTAS
DAKOTA CITY
CLARION
HAMPTON
ALLISON
OELWEIN 1 E
Strawberry Point
STORM LAKE
WASHTA
FORT DODGE 5 NNW
STANLEY 3 WSW
WATERLOO ARPT
DUBUQUE 1 & D
HOLSTEIN
SAC CITY
ROCKWELL CITY
WEBSTER CITY
IOWA FALLS
MANCHESTER #2
DUBUQUE ARPT
SIOUX CITY ARPT
BATTLE CREEK 3 NE
GRUNDY CENTER
CASCADE
Holly Springs 1 NW
ELDORA
COGGON
Monticello
MAPLETON
VINTON
BELLEVUE 1 & D
Zearing
Clutier
CASTANA EXP FARM
DENISON
CARROLL
BOONE
AMES 8 WSW
AMES ARPT
AMES 5 SE
MARSHALLTOWN ARPT
MARSHALLTOWN
TOLEDO 3 N
CEDAR RAPIDS #1
ANAMOSA 3 SSW
MAQUOKETA 4 W
Gilman
BELLE PLAINE
CEDAR RAPIDS ARPT
LOWDEN
De Witt
CLINTON #1
LITTLE SIOUX 2 NW
PERRY
Swisher
DES MOINES CAMP DODGE
LOGAN
HARLAN 1 ESE
AUDUBON
GUTHRIE CENTER
ANKENY
NEWTON
GRINNELL 3 SW
Brooklyn
WILLIAMSBURG 1 E
IOWA CITY
DAVENPORT ARPT
IOWA CITY ARPT
Montezuma 1 W
DES MOINES ARPT
LE CLAIRE 1 & D
MUSCATINE 2 N
MOLINE ARPT
Underwood
ATLANTIC 1 NE
Pella 1 S
MUSCATINE
OMAHA EPPLEY ARPT
WINTERSET 1 S
INDIANOLA 4 W
KNOXVILLE
OSKALOOSA
SIGOURNEY
WASHINGTON
GREENFIELD
OAKLAND
Brighton
Wapello
Hastings 4 NE
Lorimor
GLENWOOD
RED OAK
CRESTON 2 SW
OSCEOLA
CHARITON 1 E
ALBIA 3 NNE
OTTUMWA ARPT
FAIRFIELD
MT PLEASANT 1 SSW
Randolph
BEACONSFIELD
RATHBUN DAM
Salem 1 S
SIDNEY 1 SSE
SHENANDOAH
CLARINDA
BEDFORD
MOUNT AYR
ALLERTON
BLOOMFIELD 1 WNW
KEOSAUQUA
BURLINGTON ARPT
LAMONI ARPT
CENTERVILLE
DONNELLSON
FORT MADISON
LAMONI
KEOKUK 1 & D
STATION NAME - Temperature & Precipitation data
STATION NAME - Temperature data only
Station Name - Precipitation data only